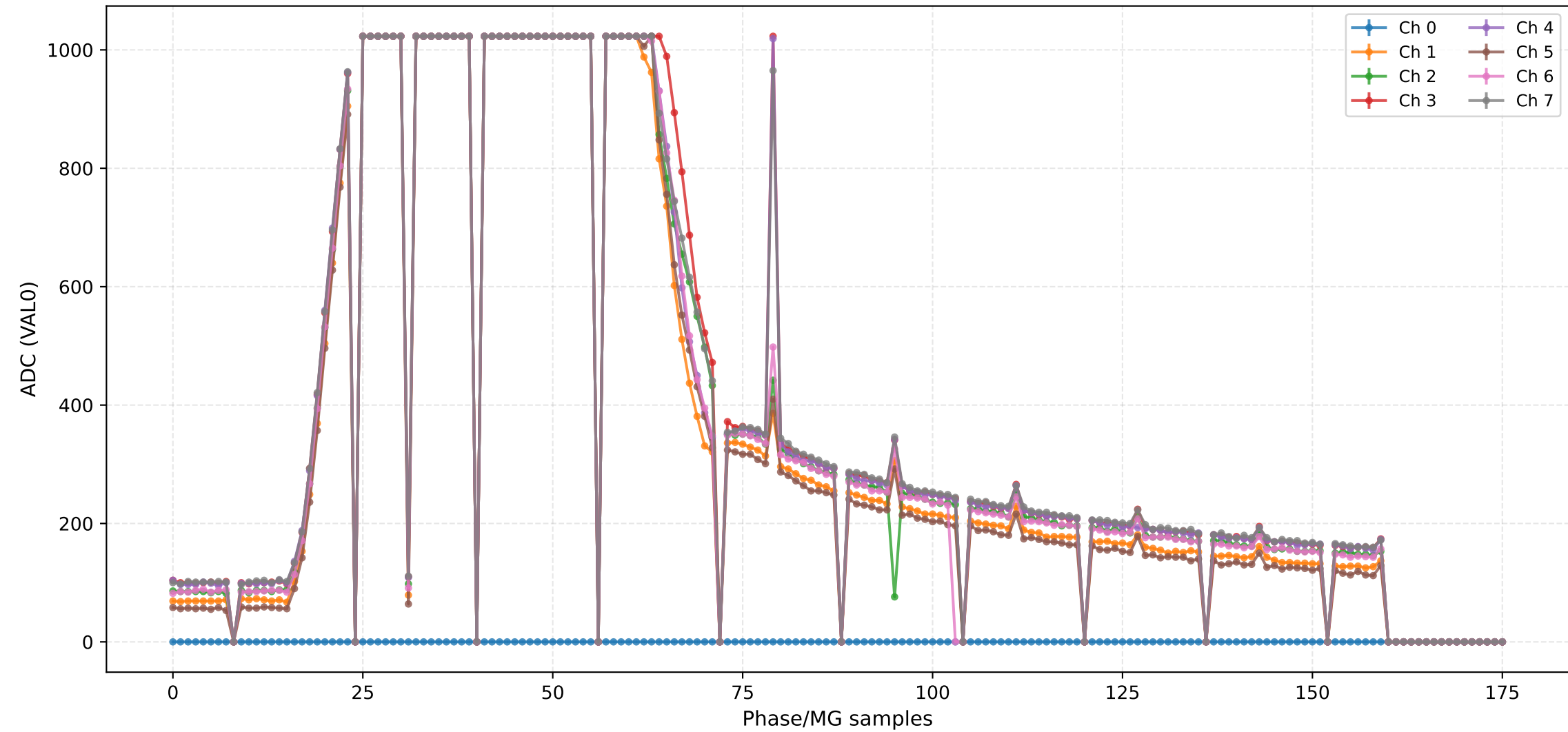
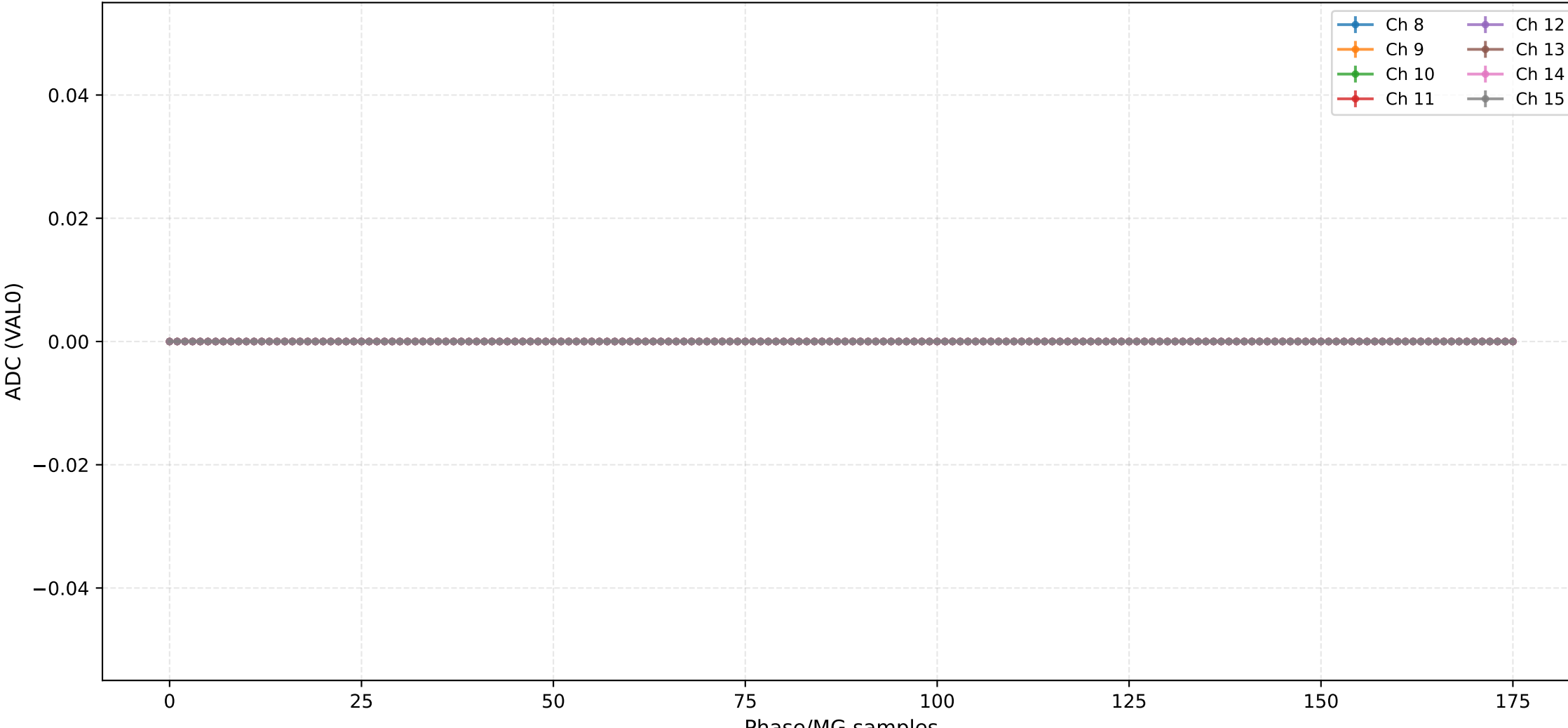


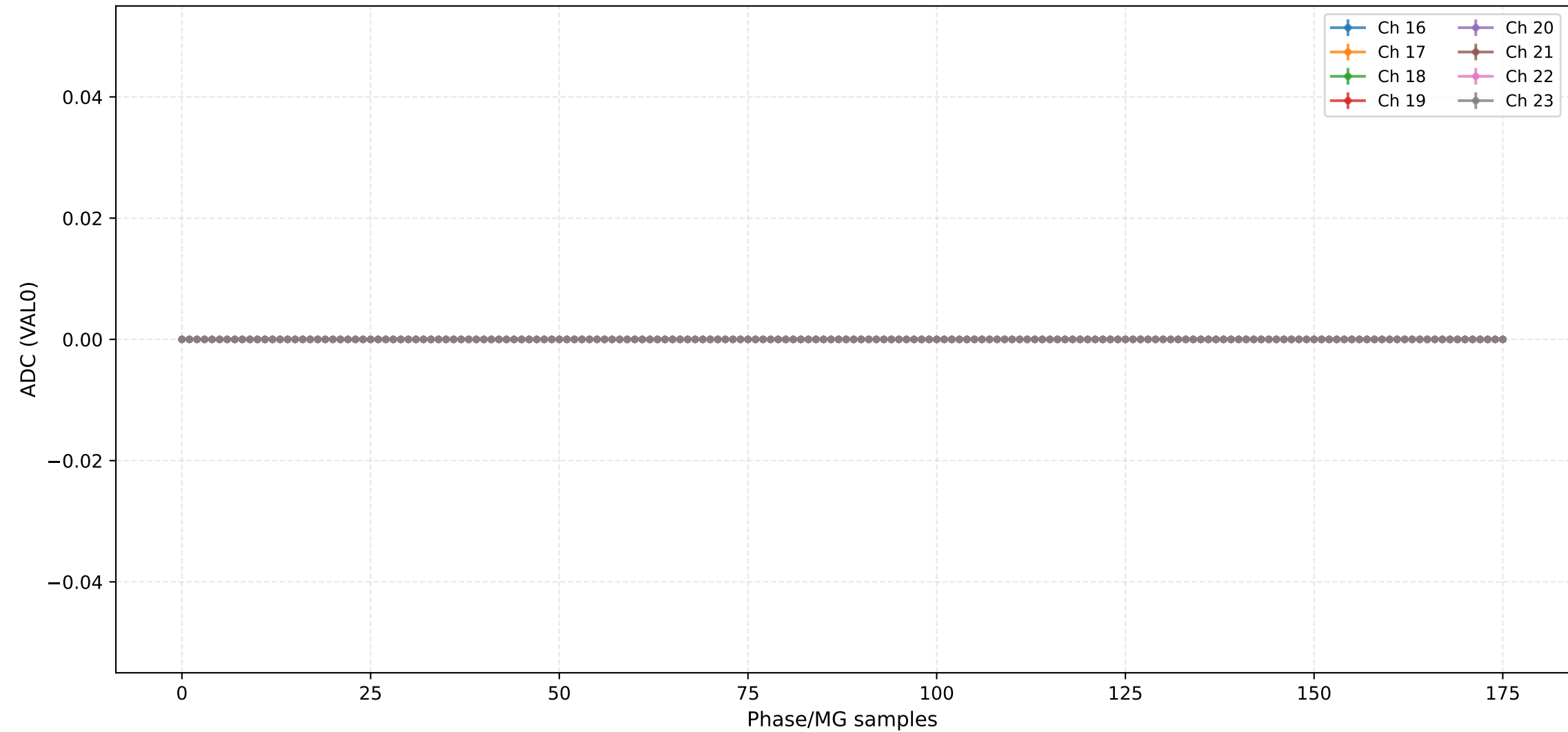
ADC (VAL0) - Channels 0 to 7



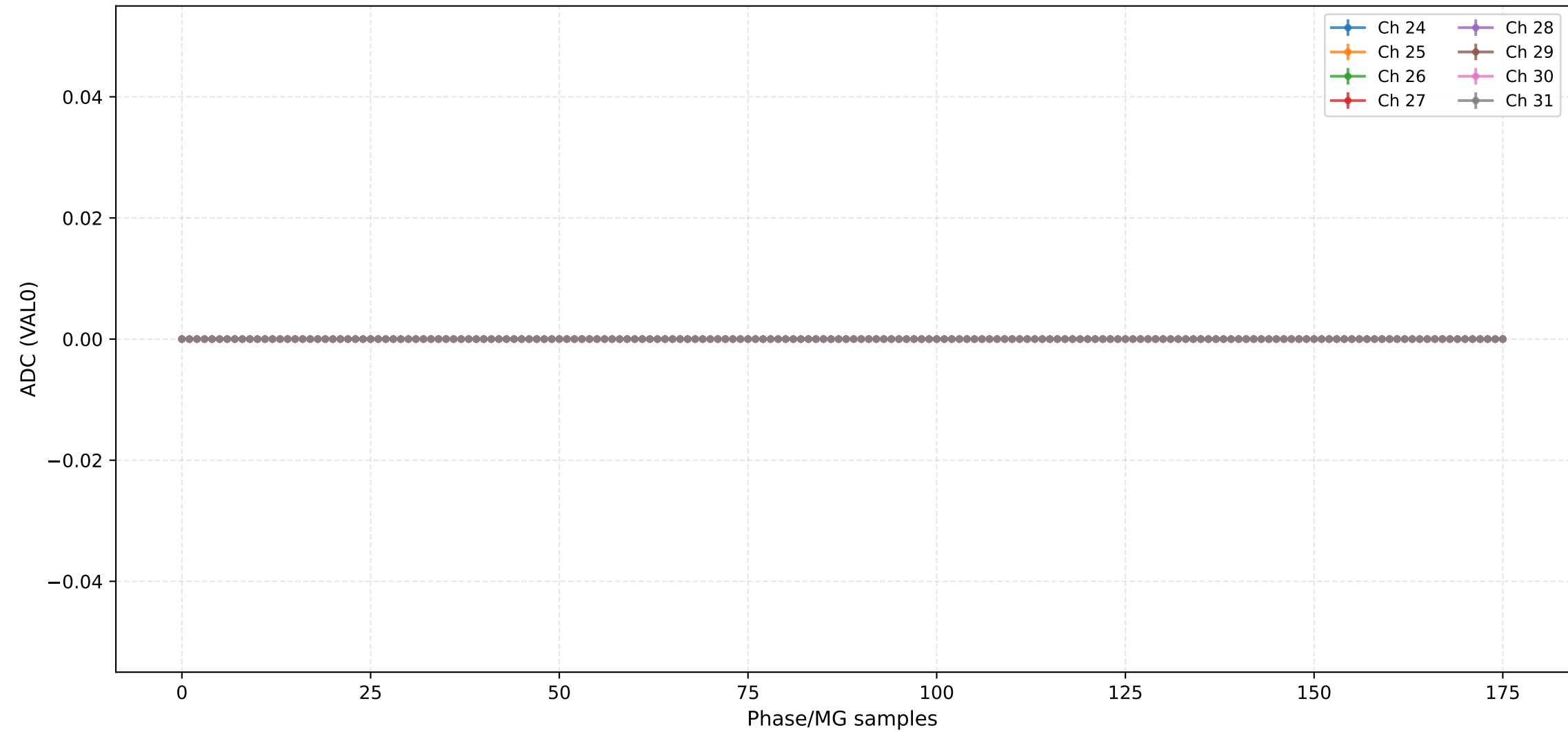
## ADC (VAL0) - Channels 8 to 15



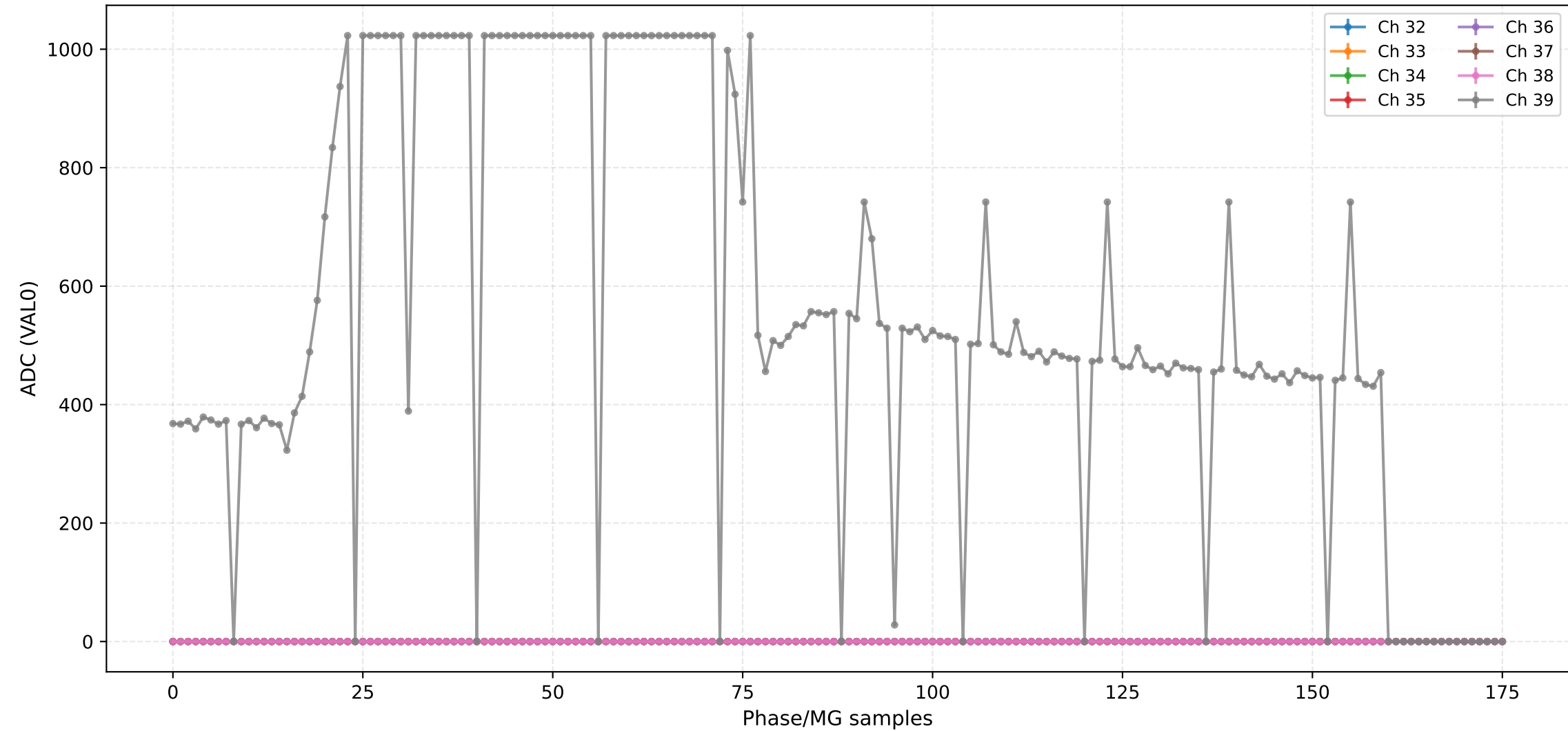
## ADC (VAL0) - Channels 16 to 23



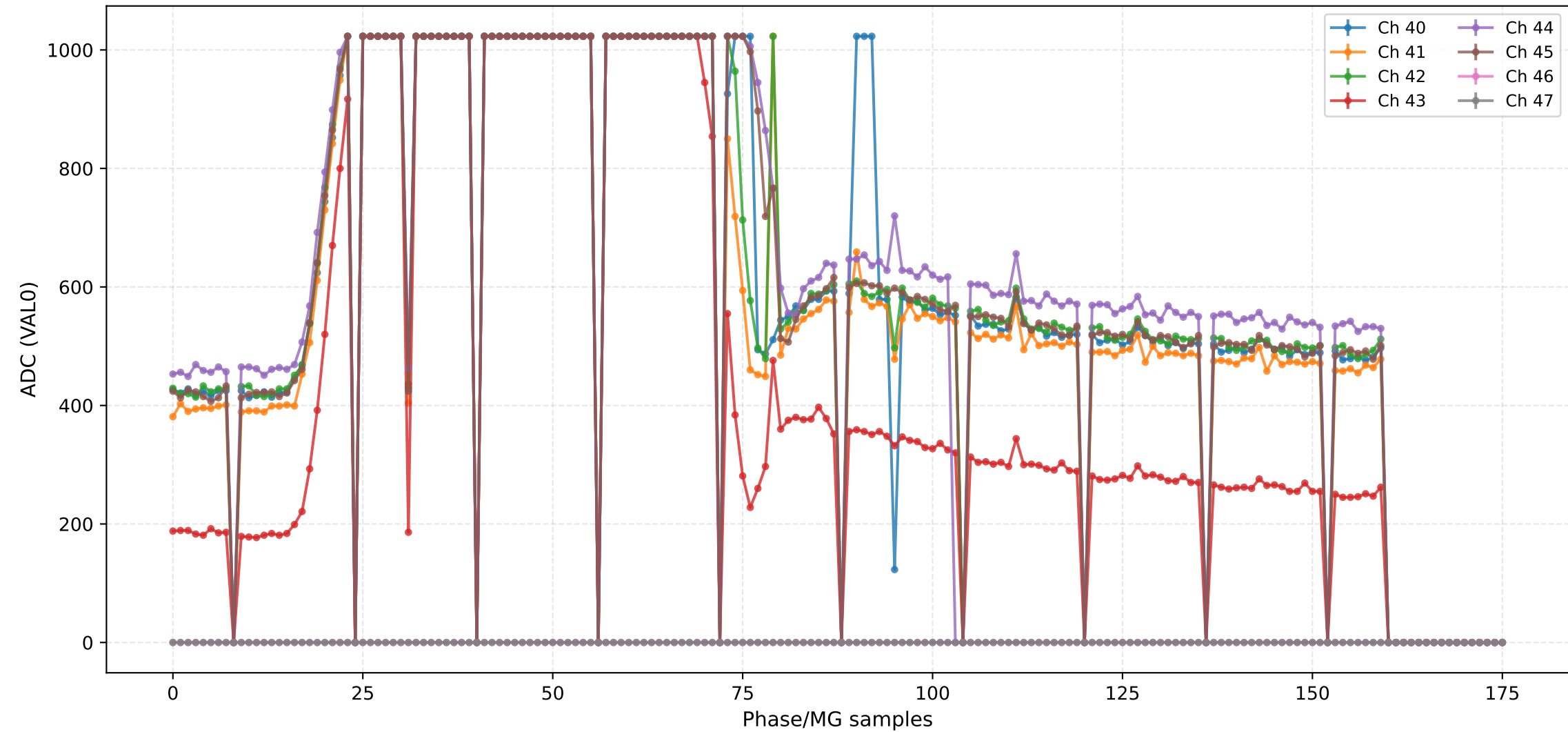
### ADC (VAL0) - Channels 24 to 31



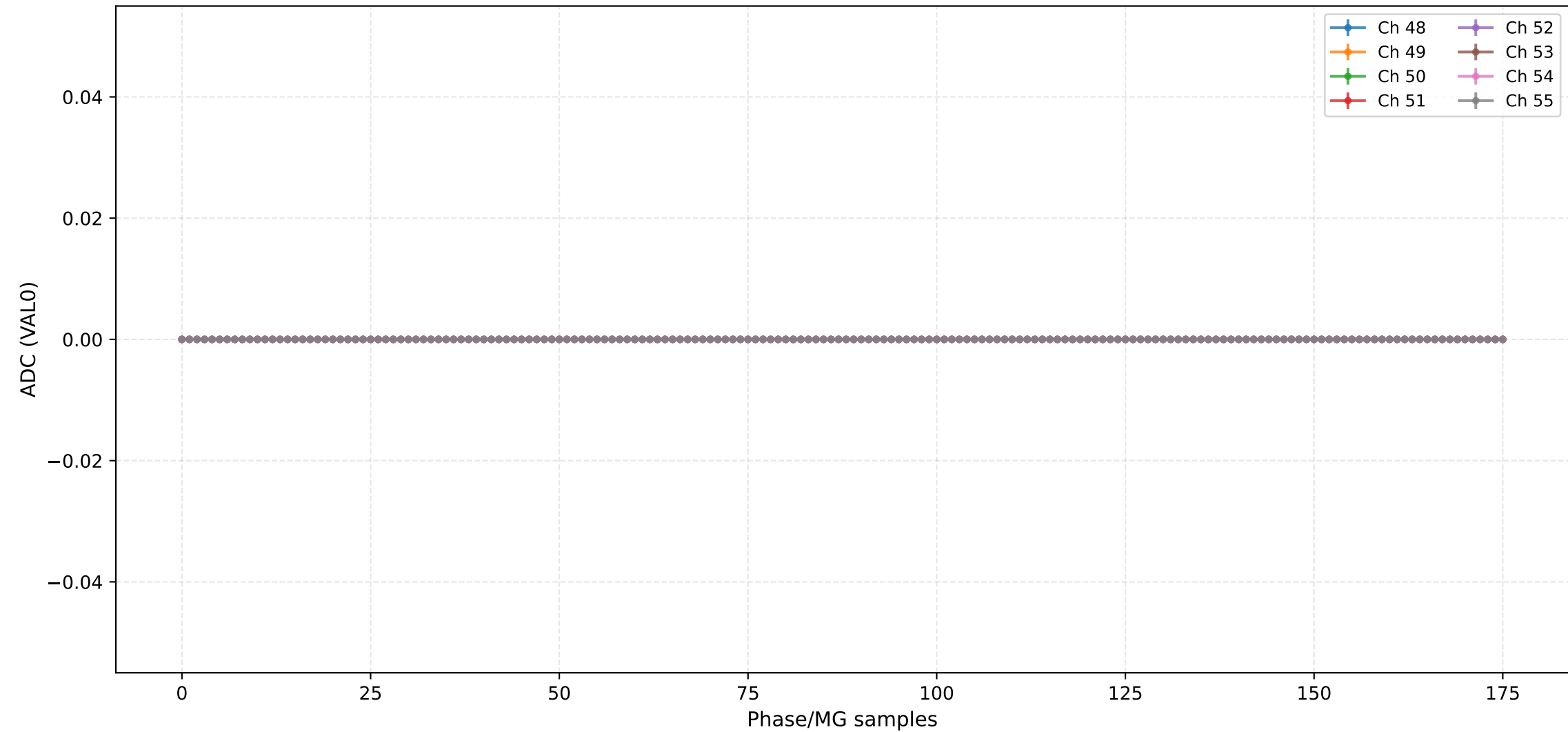
## ADC (VAL0) - Channels 32 to 39



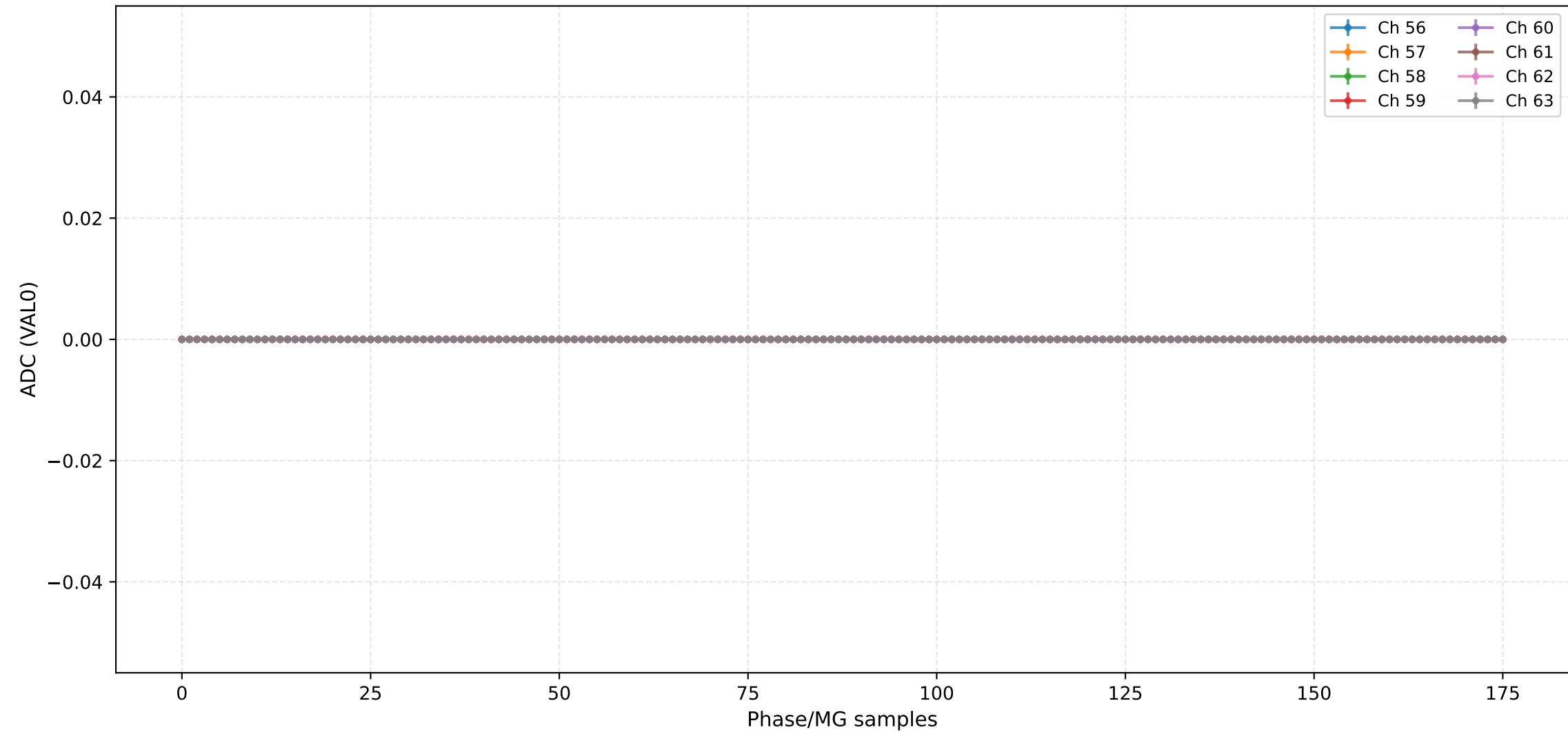
ADC (VAL0) - Channels 40 to 47



### ADC (VAL0) - Channels 48 to 55

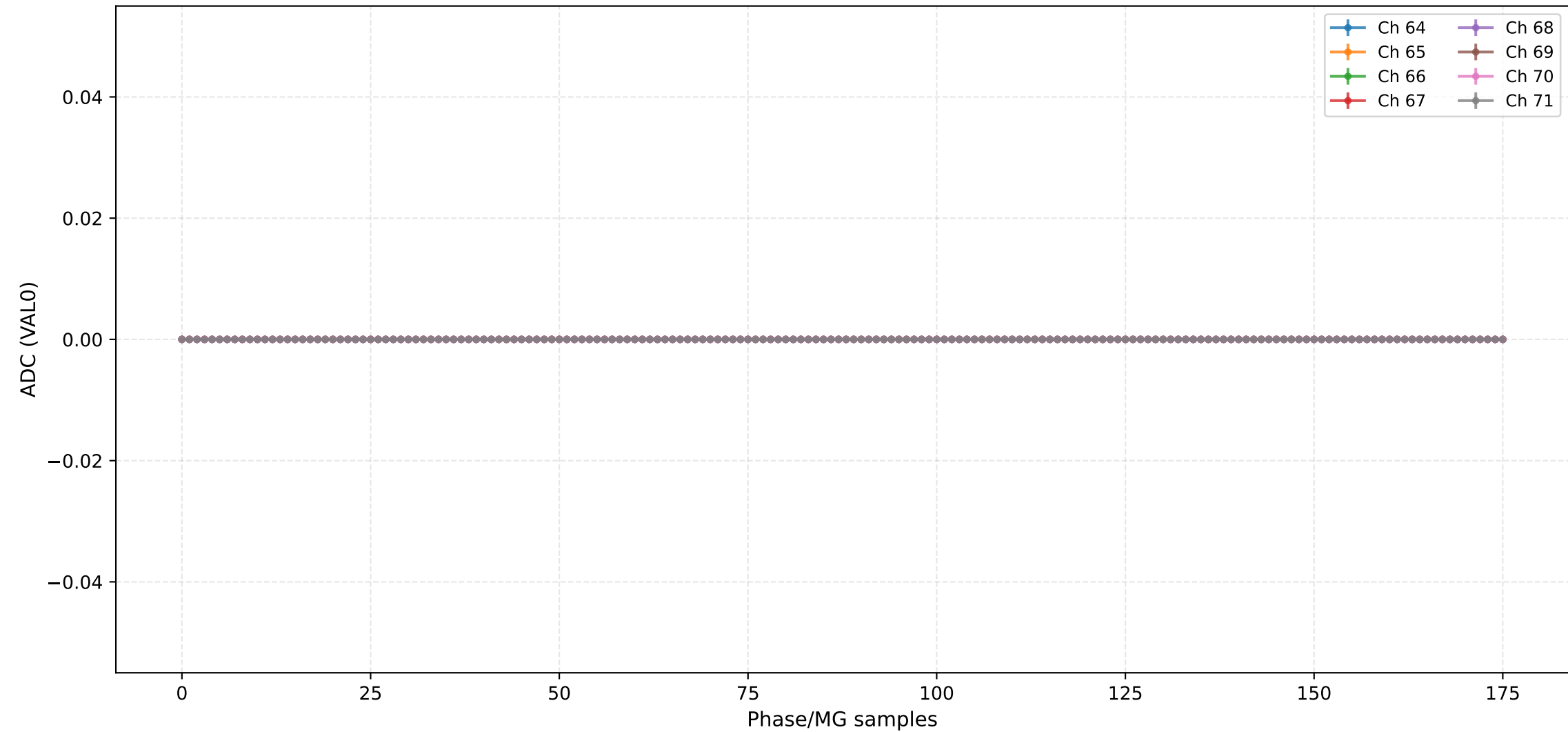


## ADC (VAL0) - Channels 56 to 63

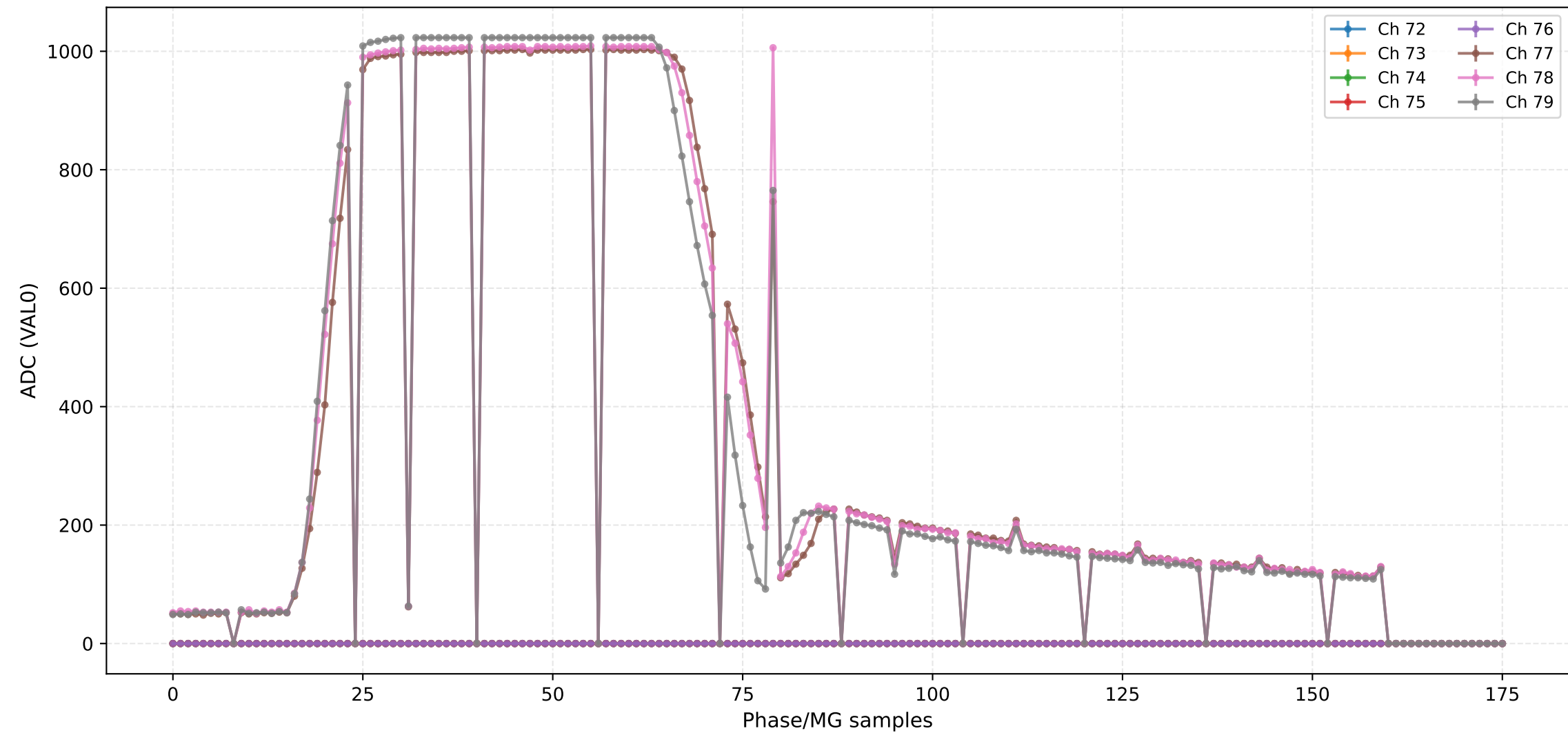




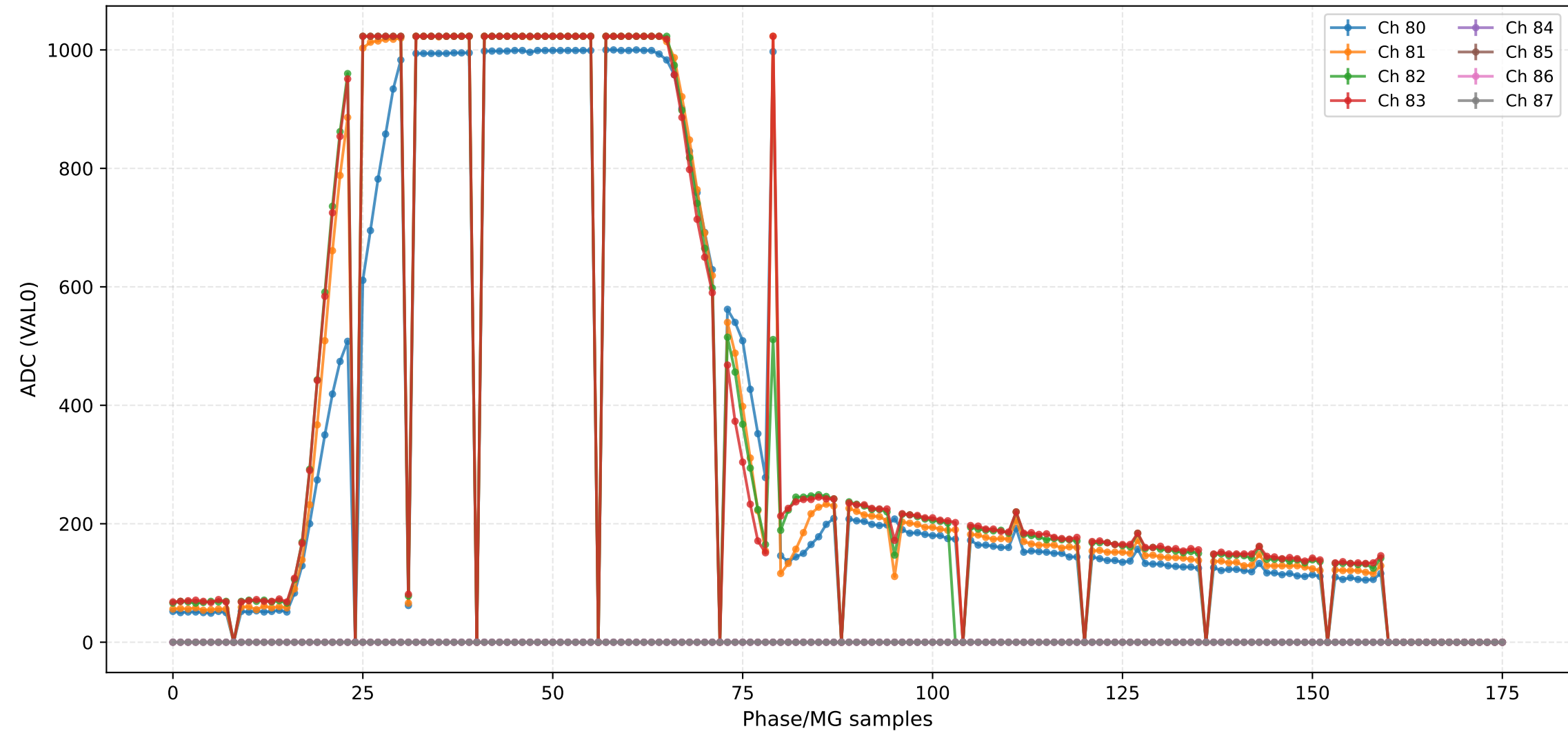
### ADC (VAL0) - Channels 64 to 71



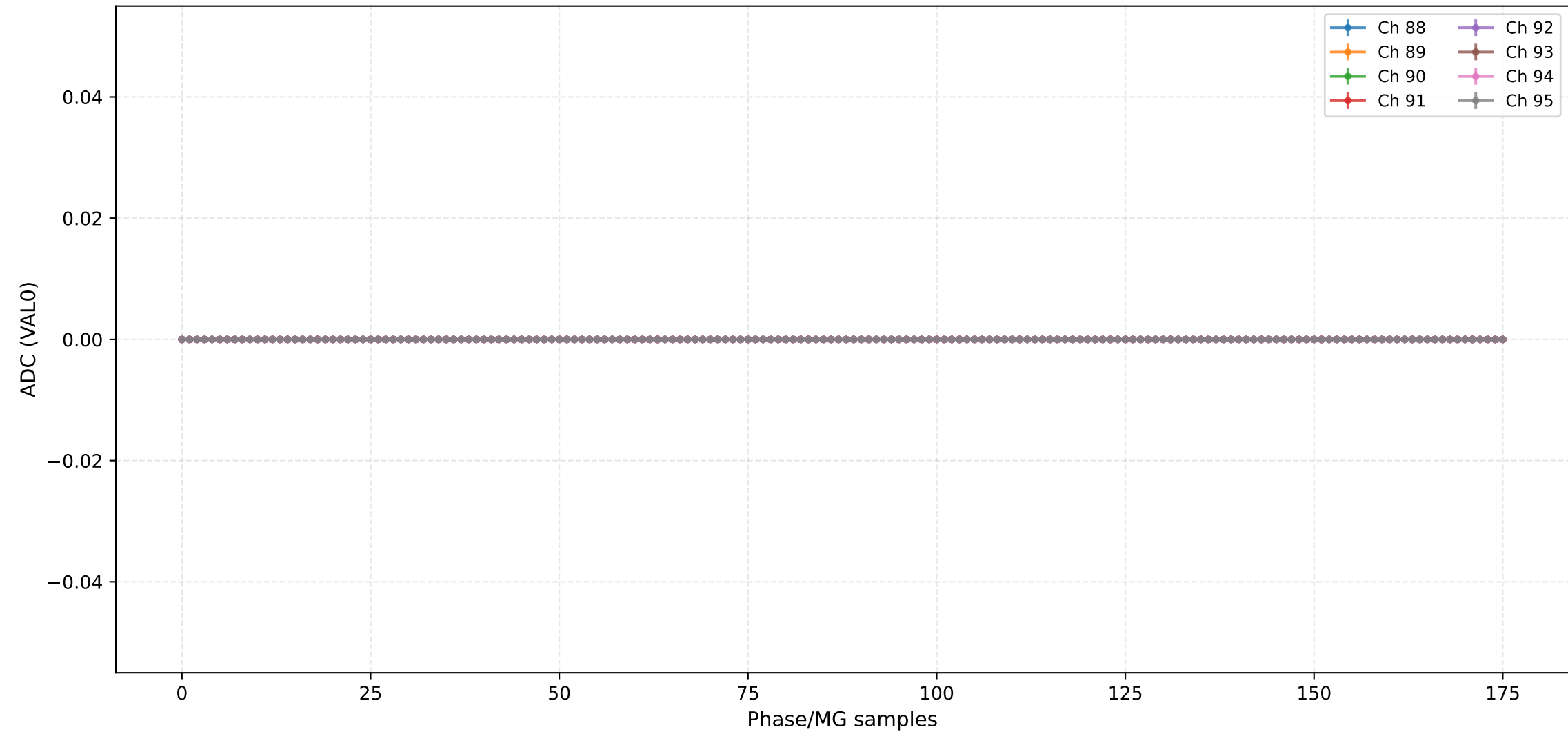
## ADC (VAL0) - Channels 72 to 79



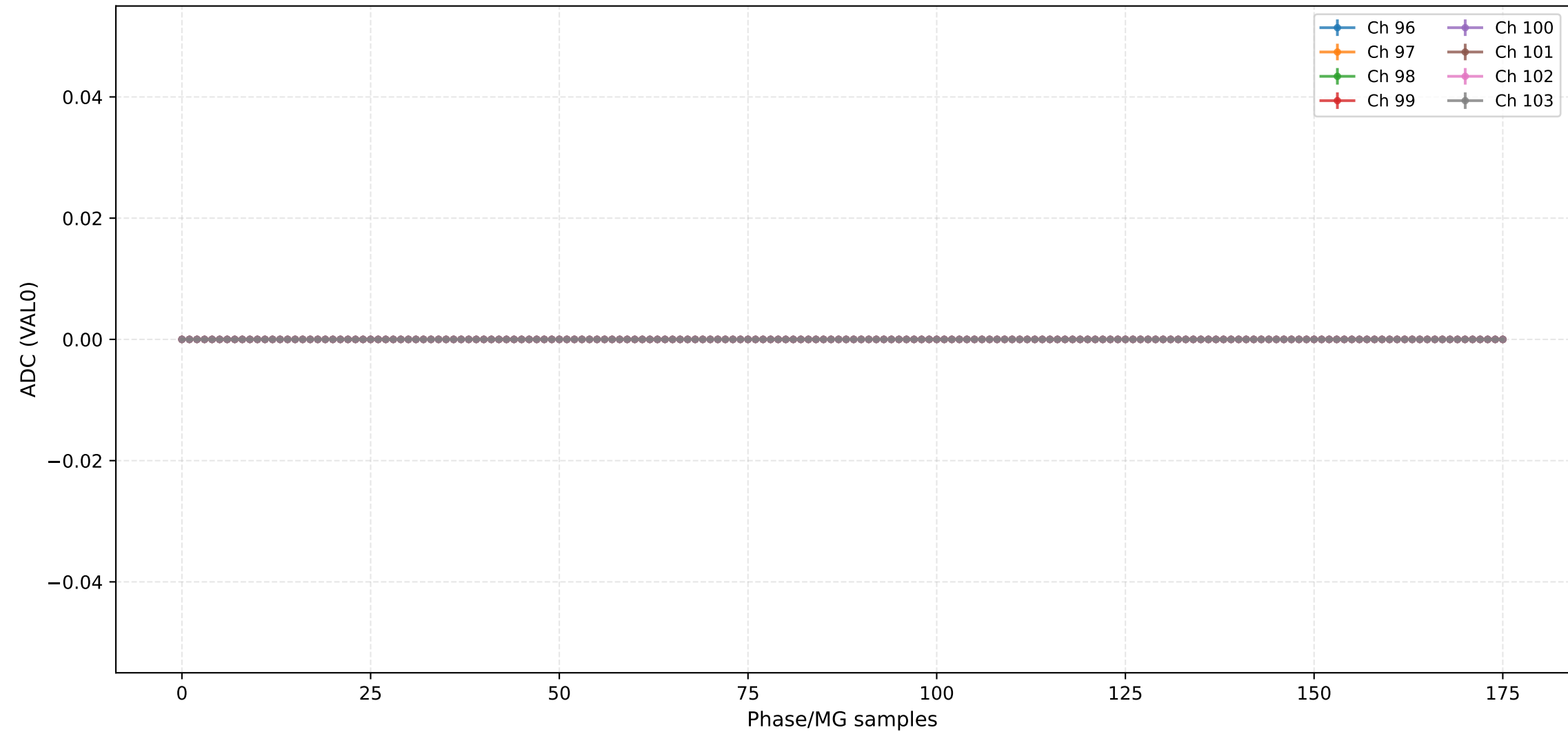
## ADC (VAL0) - Channels 80 to 87



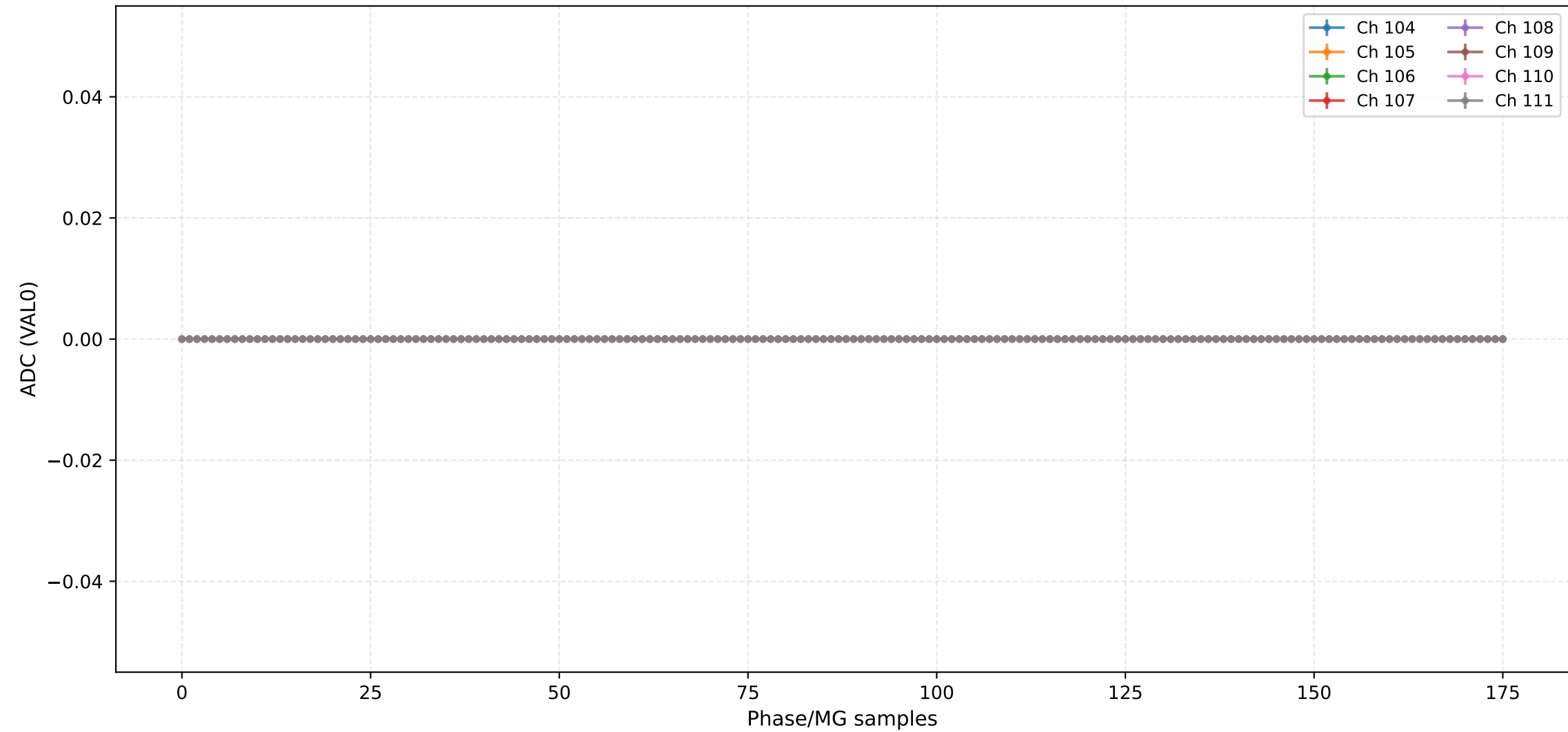
### ADC (VAL0) - Channels 88 to 95



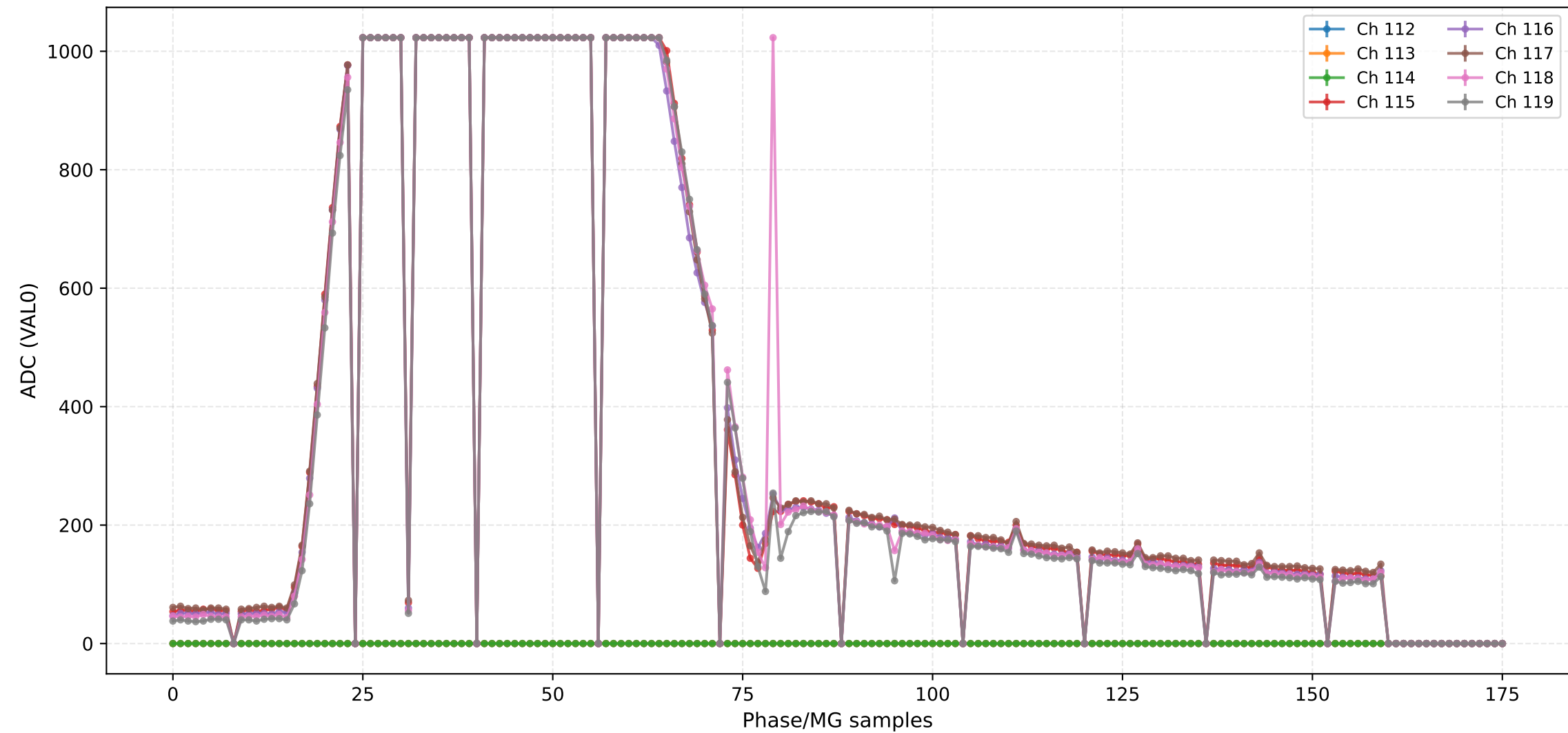
### ADC (VAL0) - Channels 96 to 103



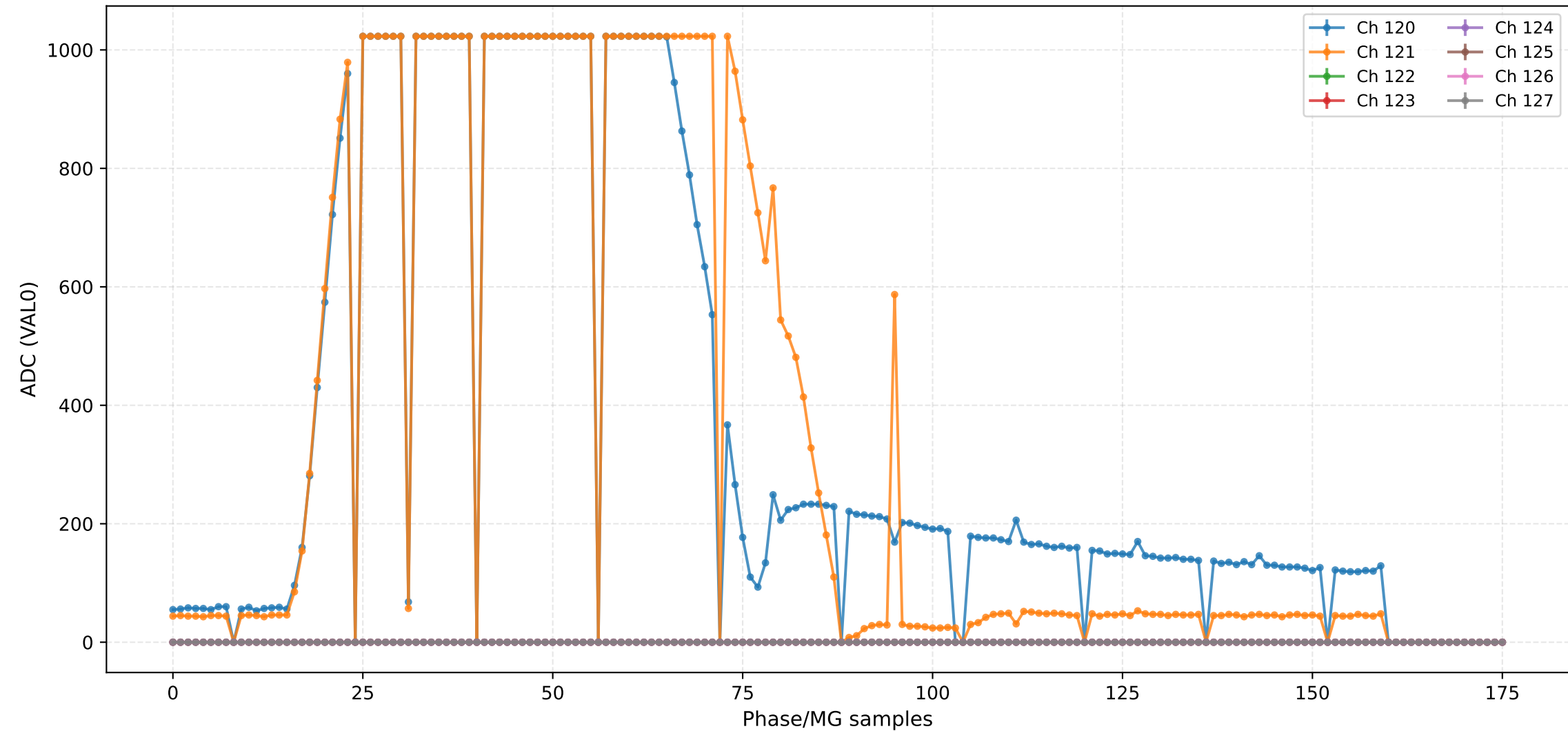
### ADC (VAL0) - Channels 104 to 111



### ADC (VAL0) - Channels 112 to 119

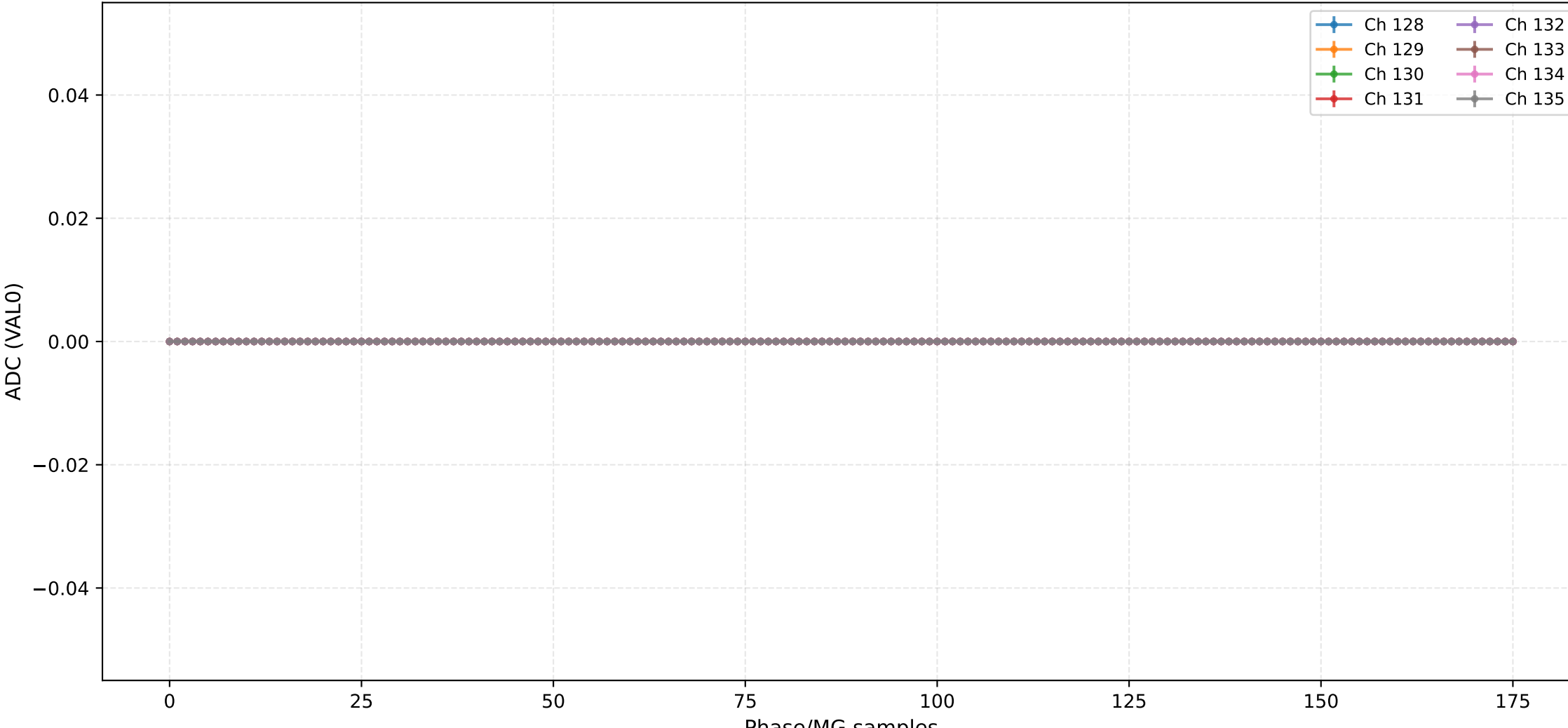


ADC (VAL0) - Channels 120 to 127

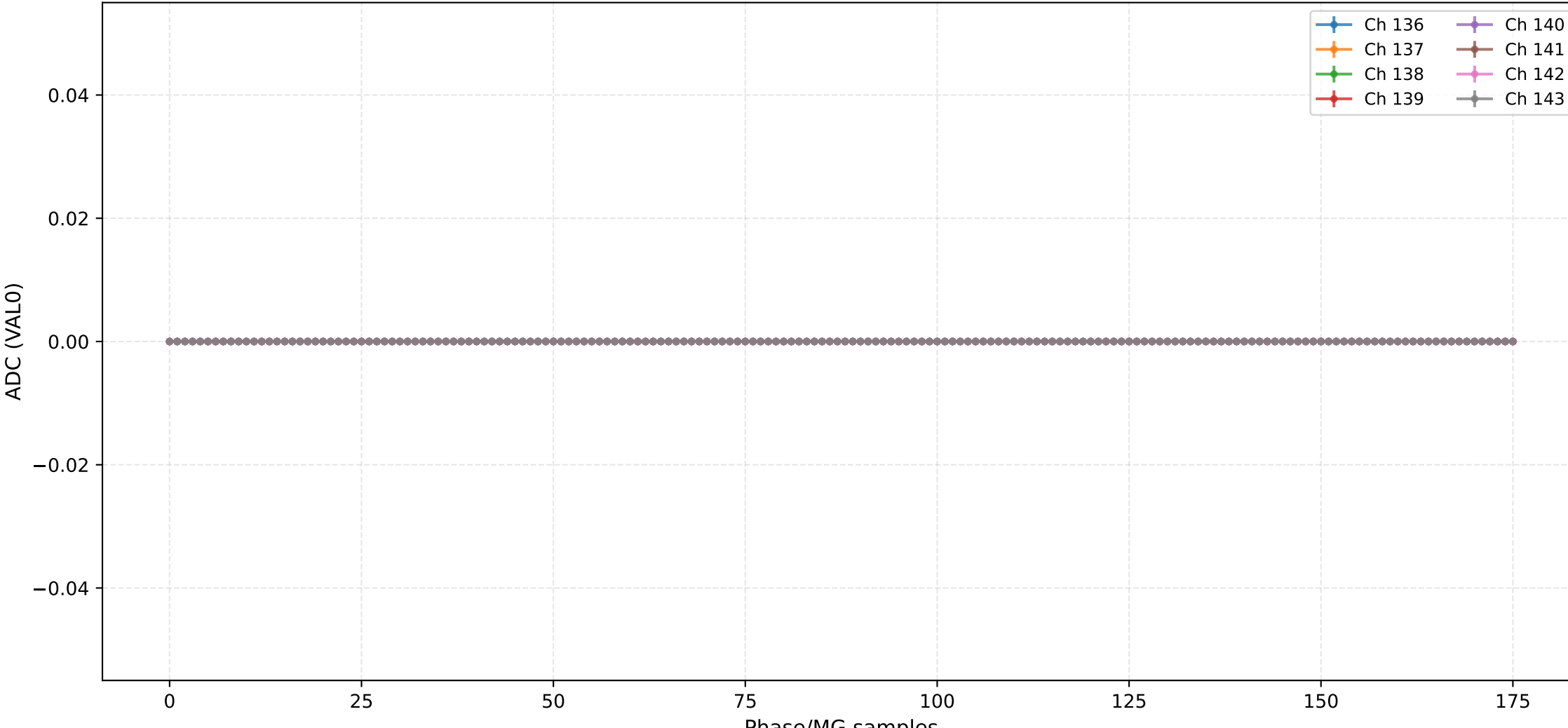




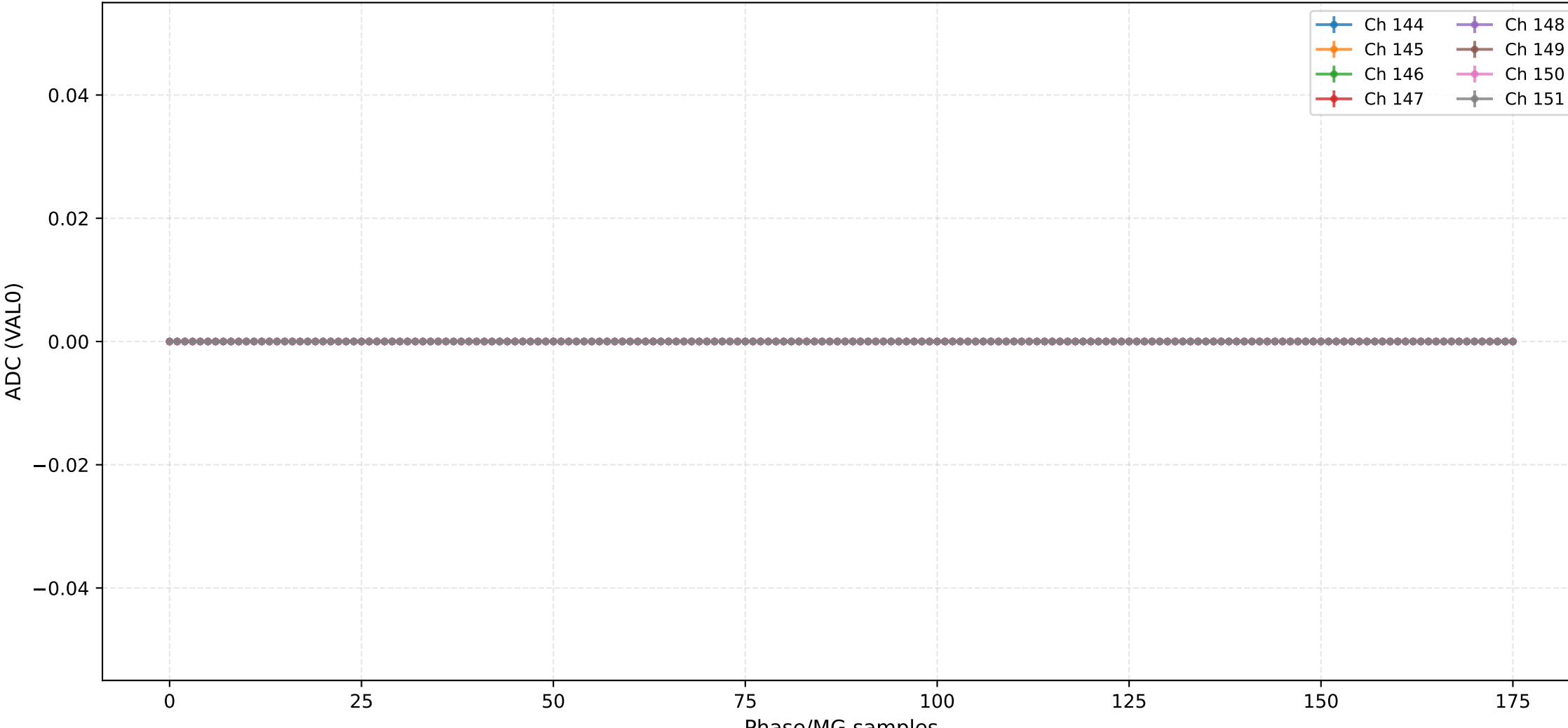
## ADC (VAL0) - Channels 128 to 135



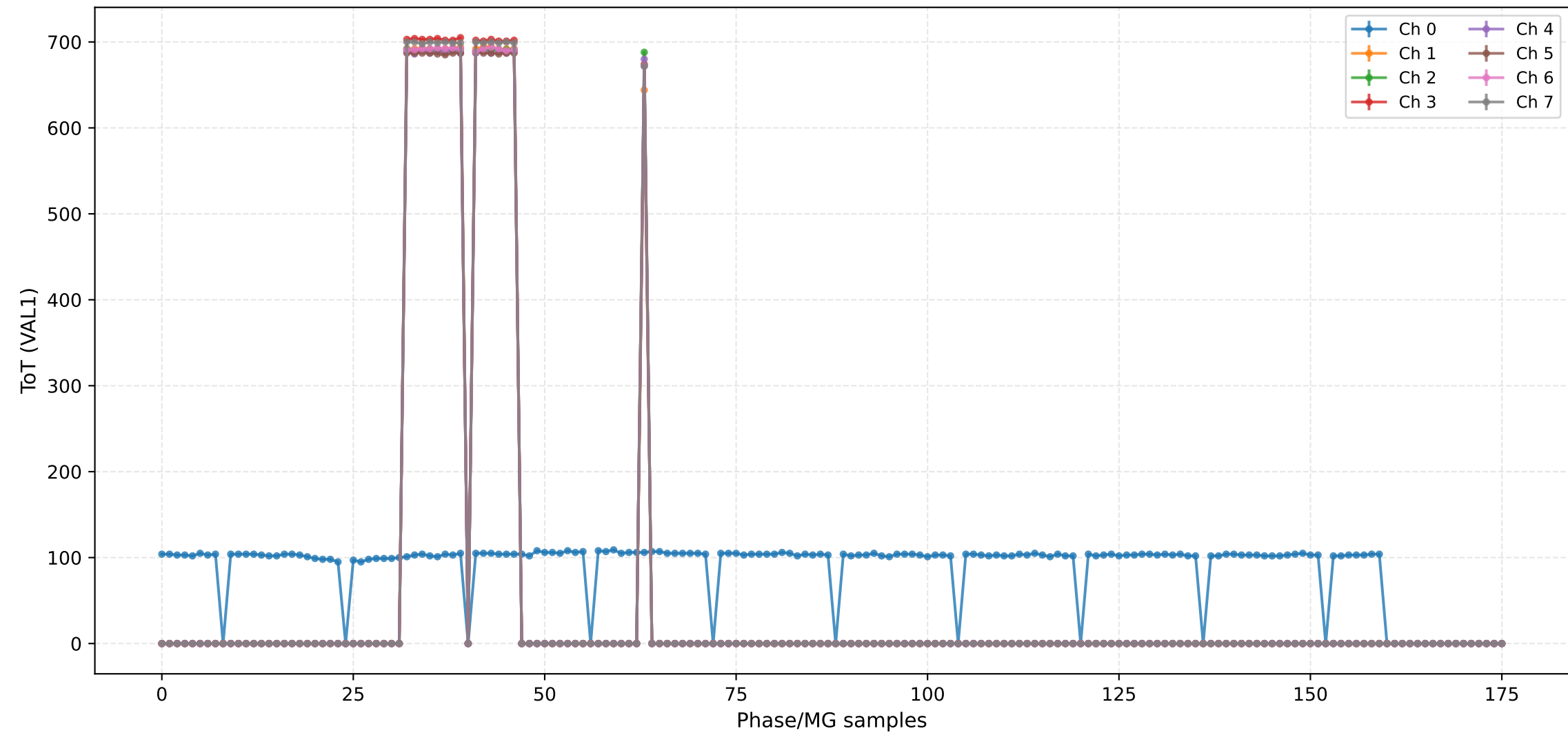
## ADC (VAL0) - Channels 136 to 143



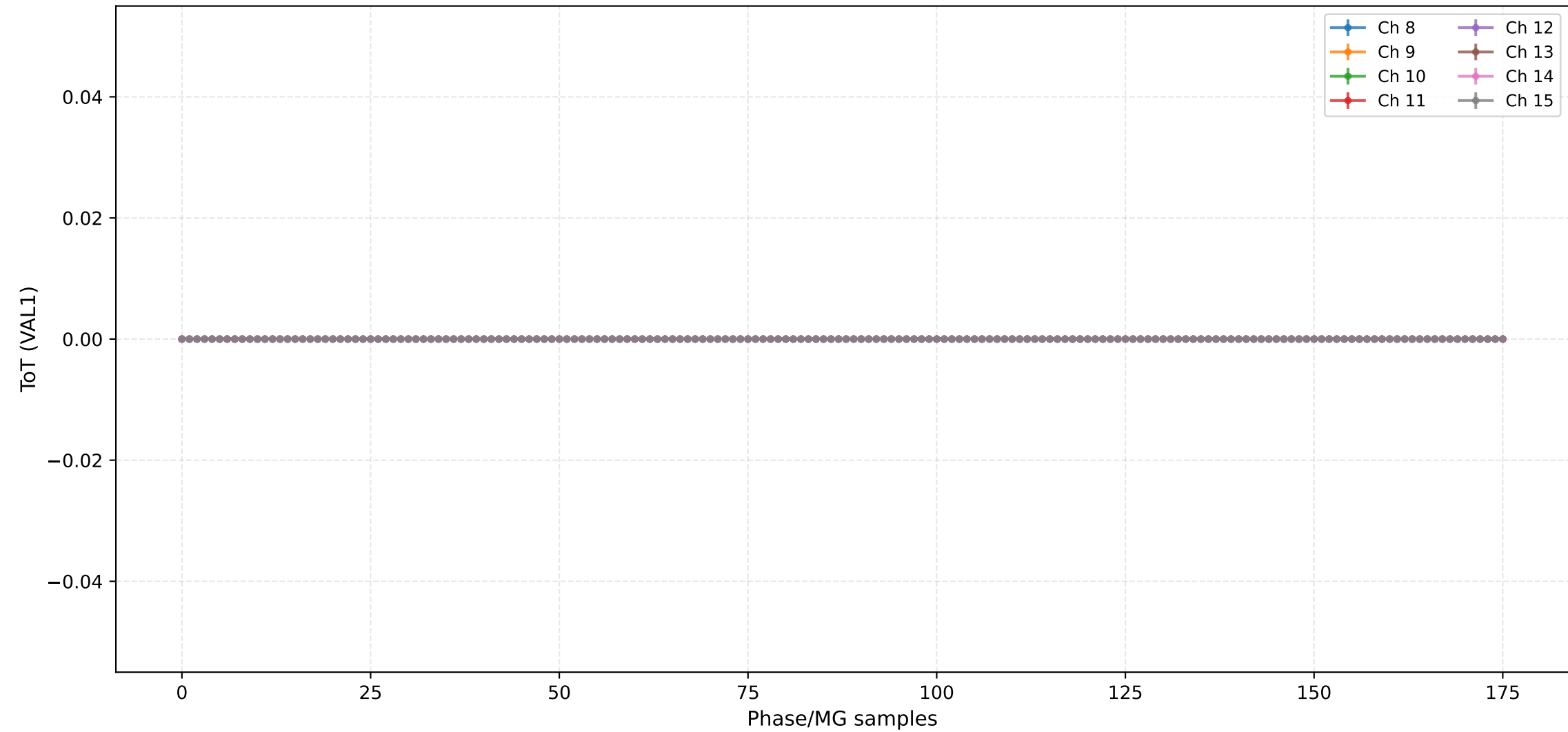
## ADC (VAL0) - Channels 144 to 151



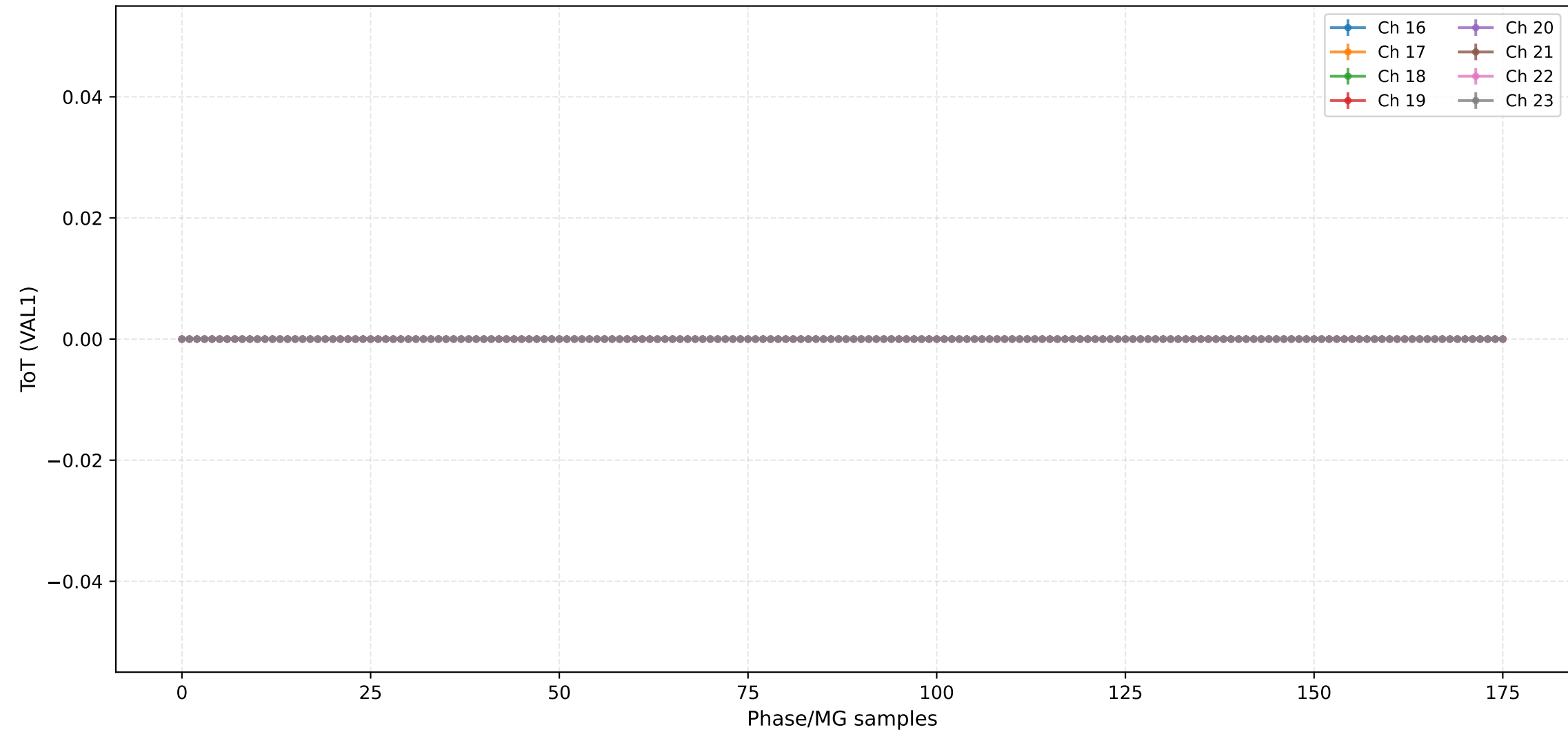
ToT (VAL1) - Channels 0 to 7



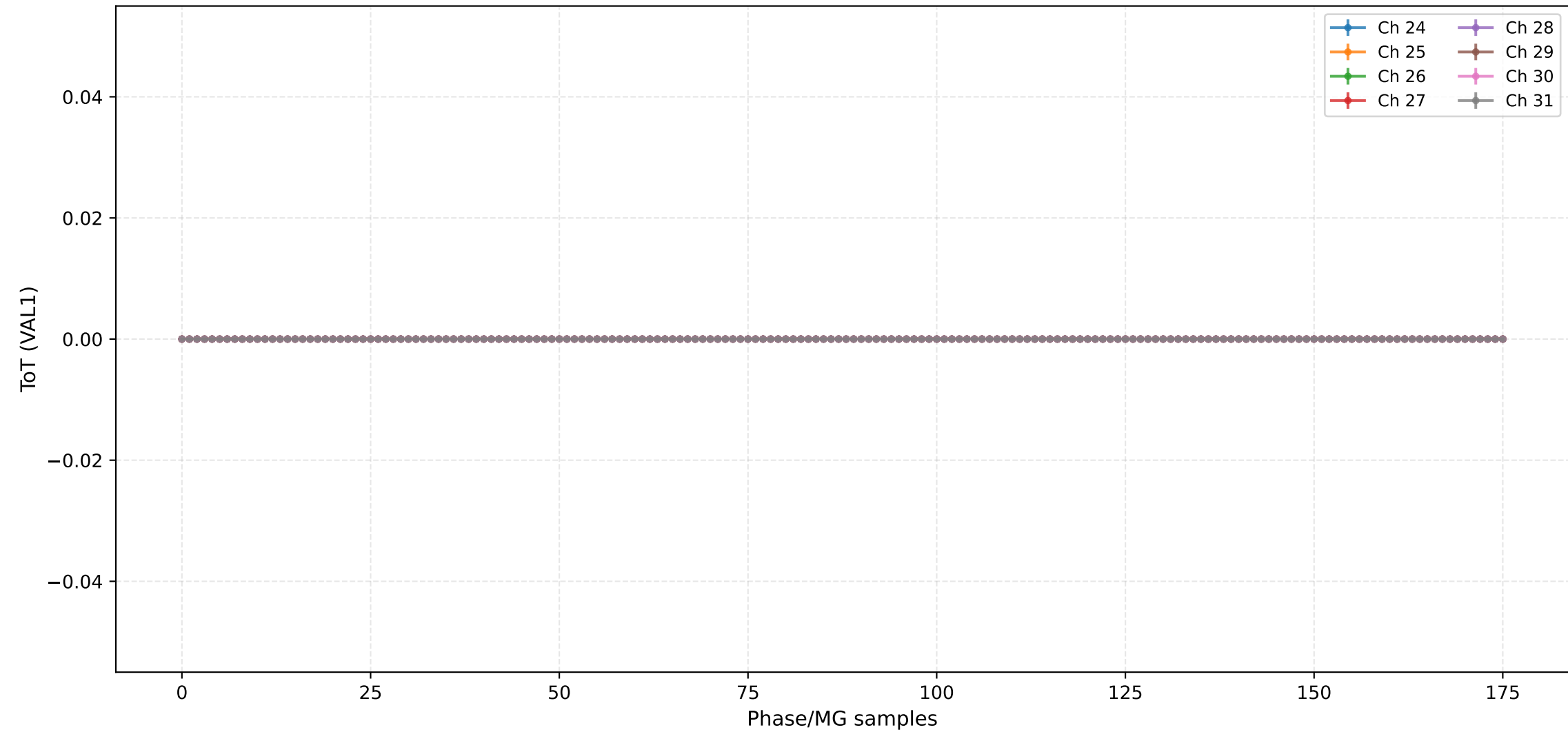
ToT (VAL1) - Channels 8 to 15



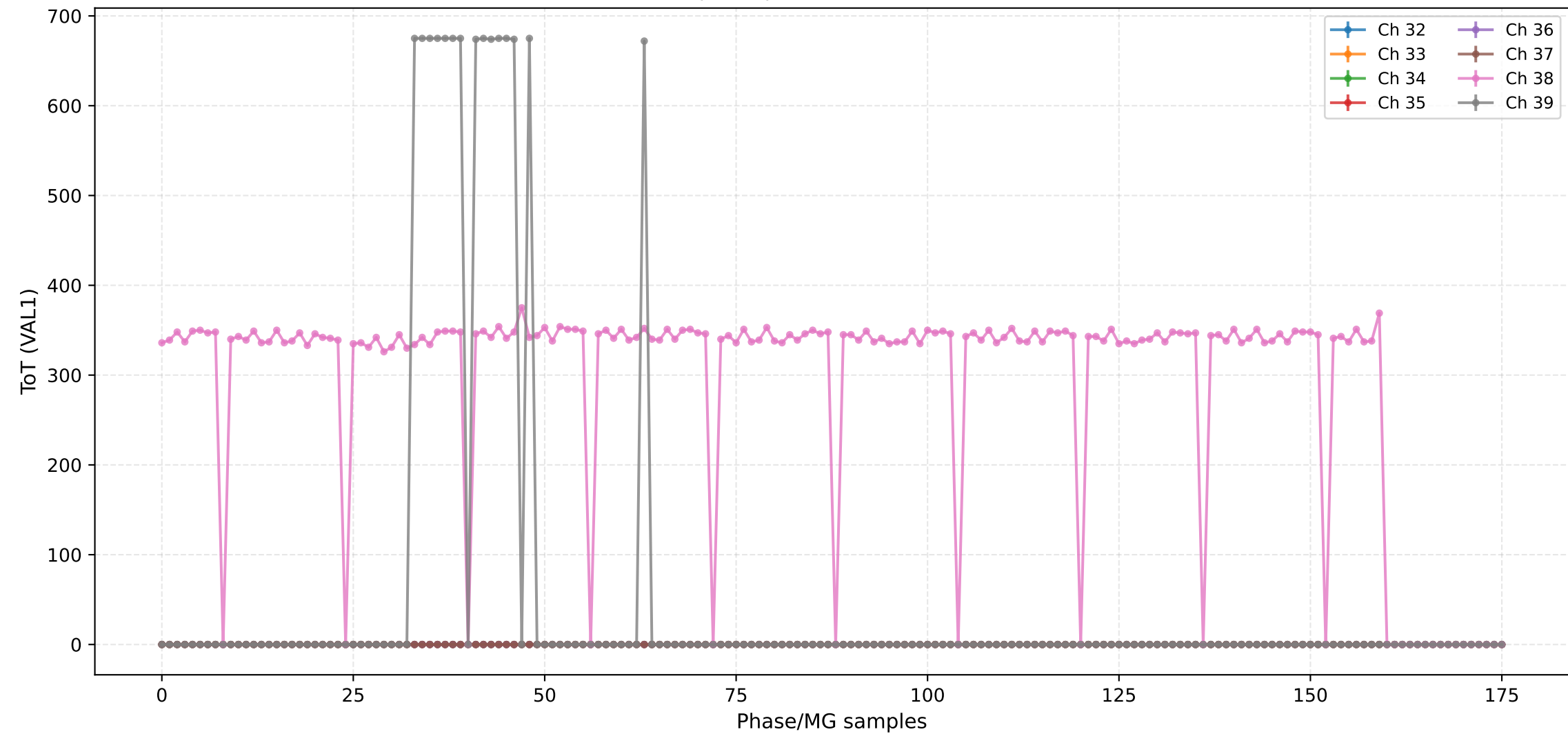
ToT (VAL1) - Channels 16 to 23



ToT (VAL1) - Channels 24 to 31

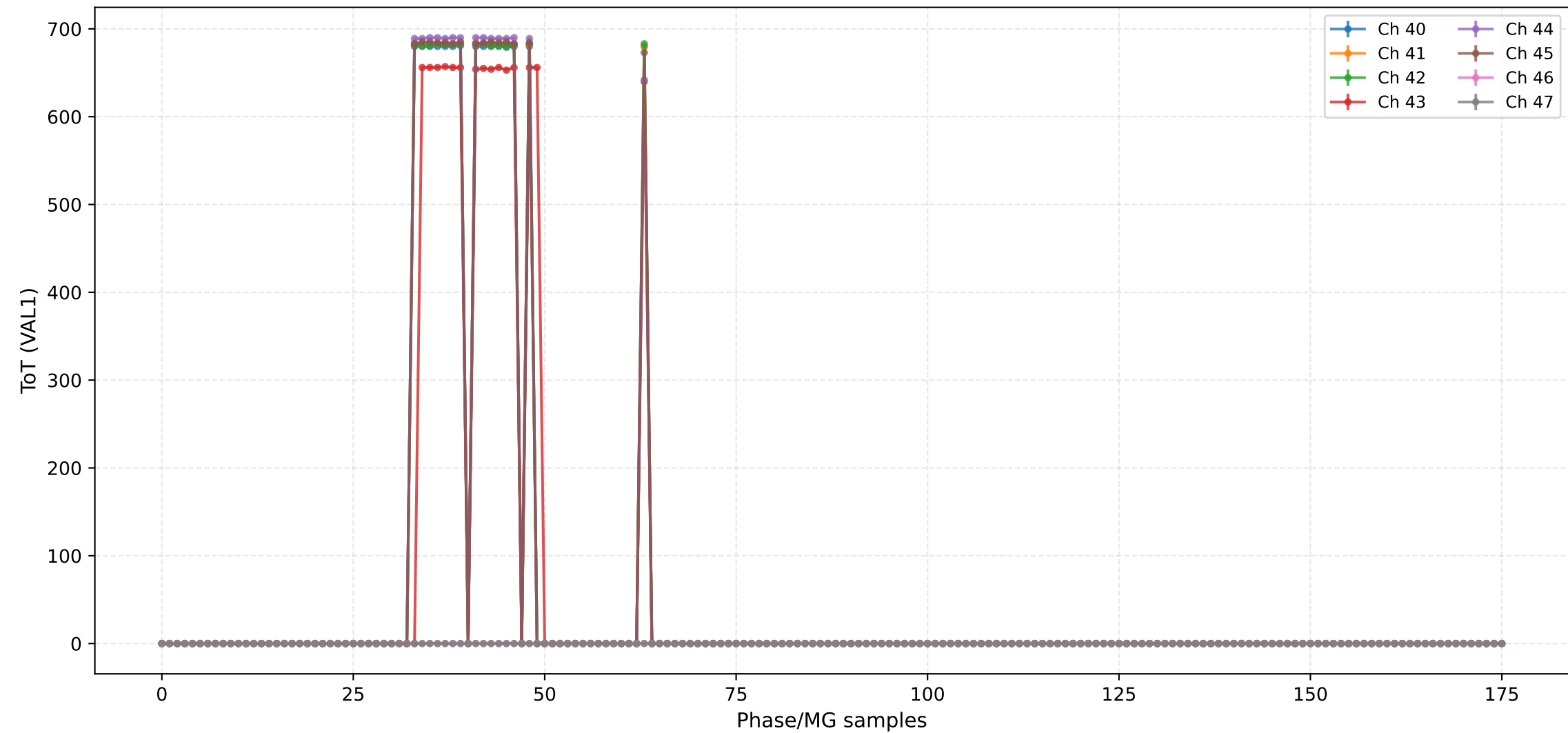


### ToT (VAL1) - Channels 32 to 39

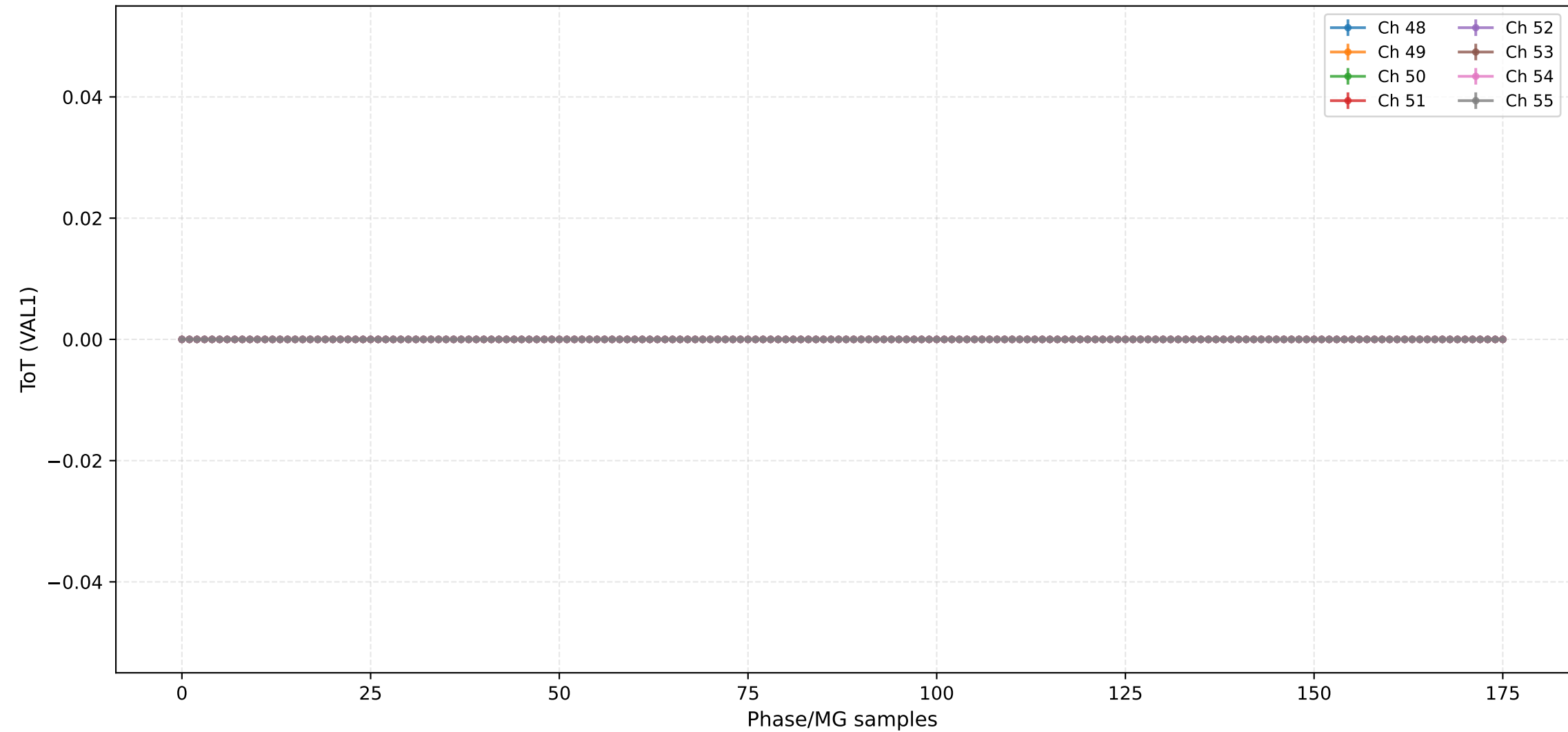




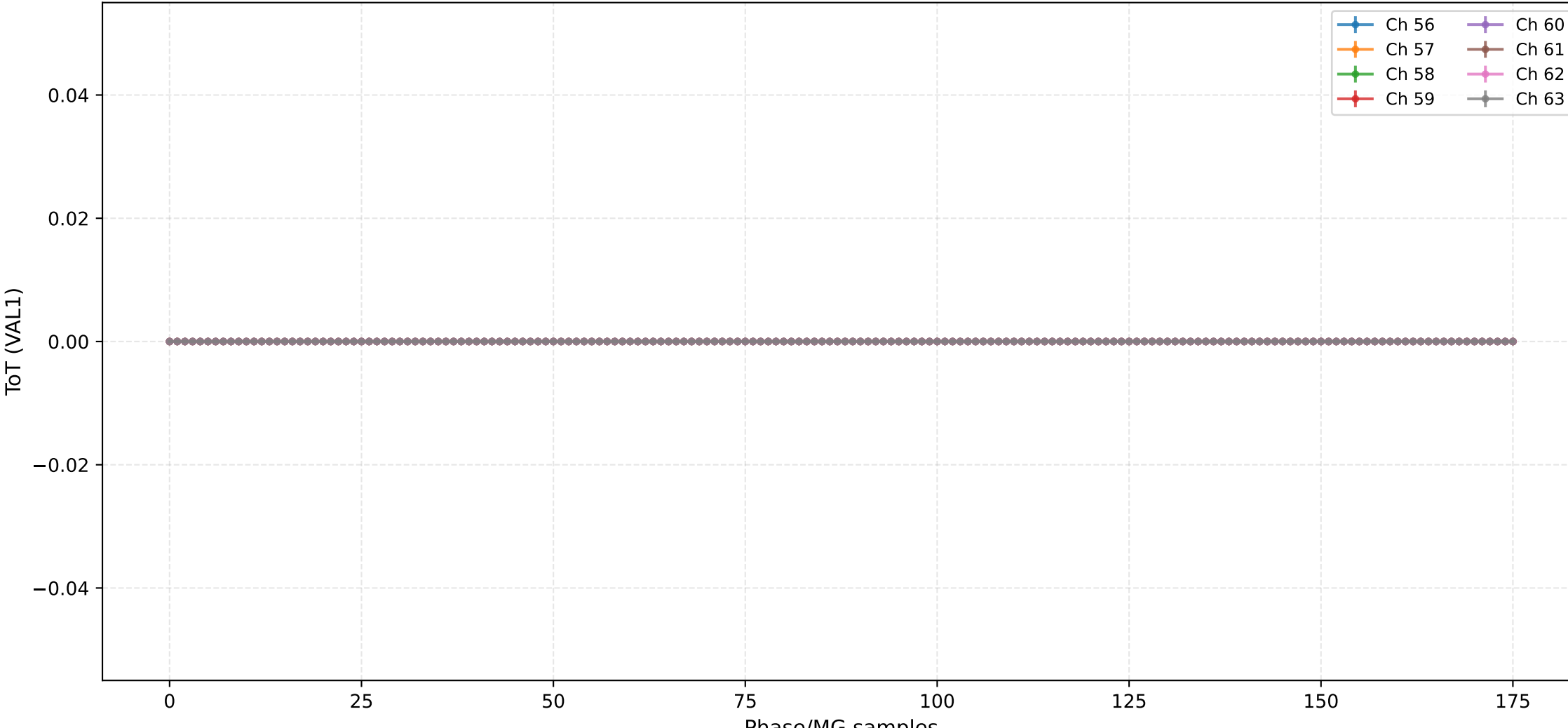
## ToT (VAL1) - Channels 40 to 47



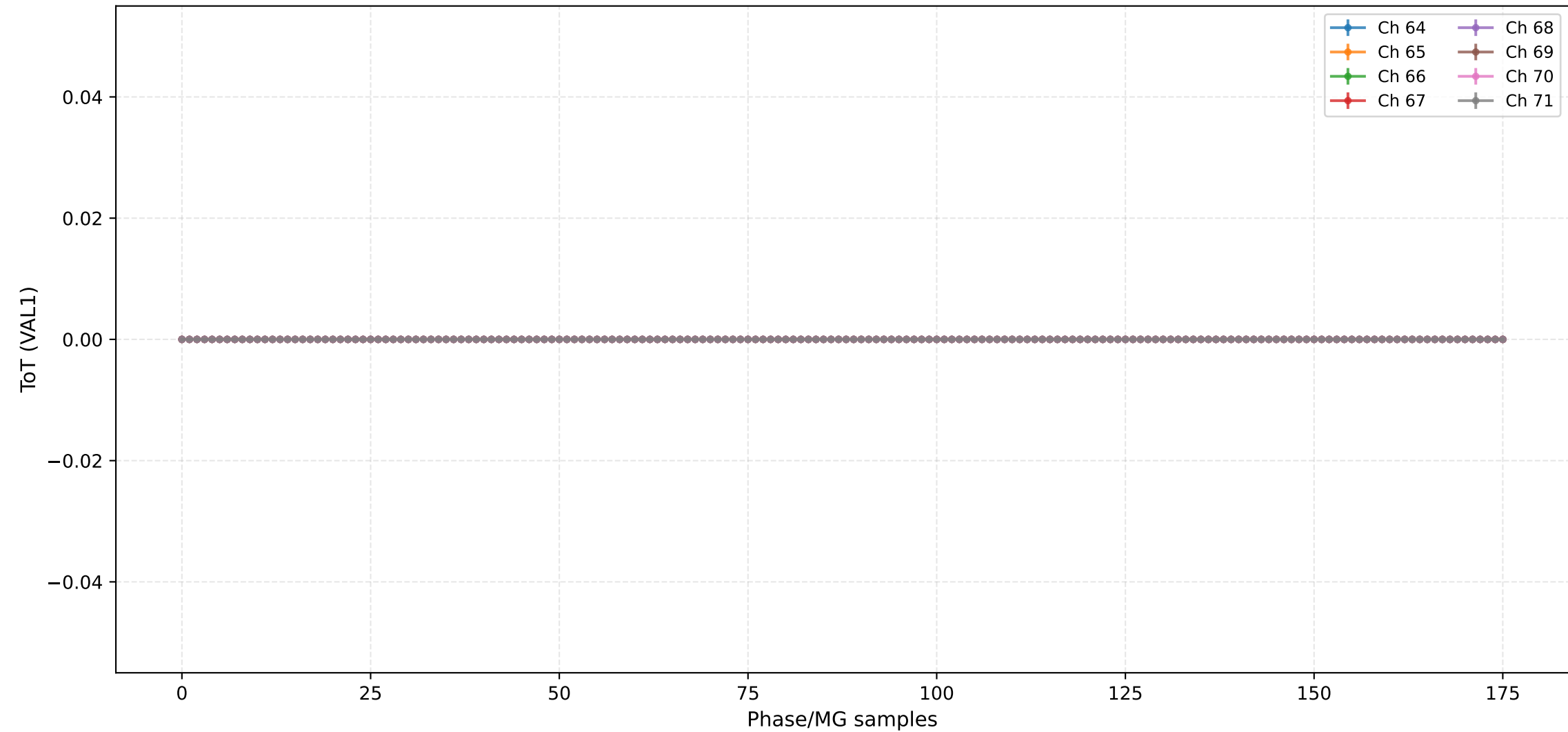
ToT (VAL1) - Channels 48 to 55



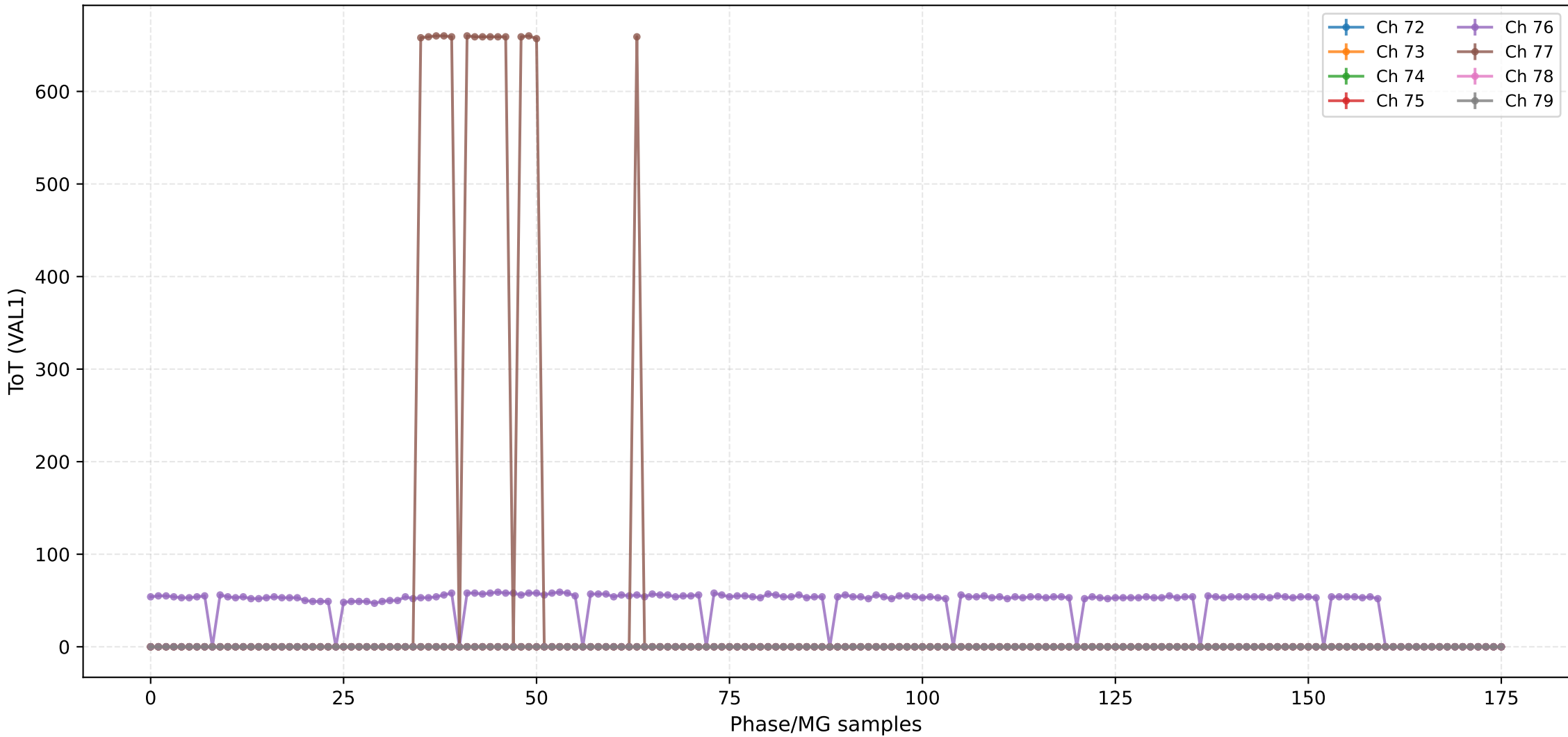
## ToT (VAL1) - Channels 56 to 63



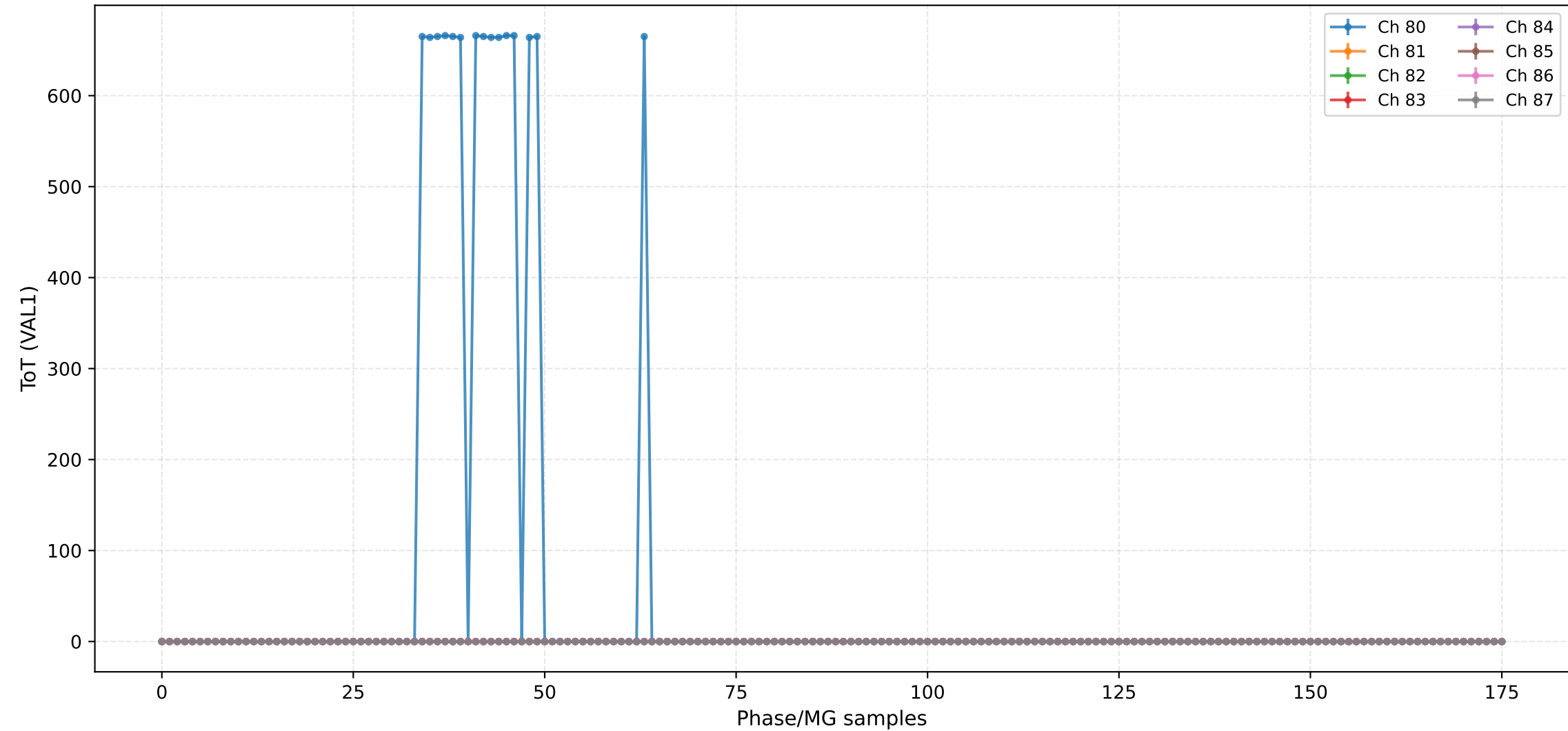
## ToT (VAL1) - Channels 64 to 71



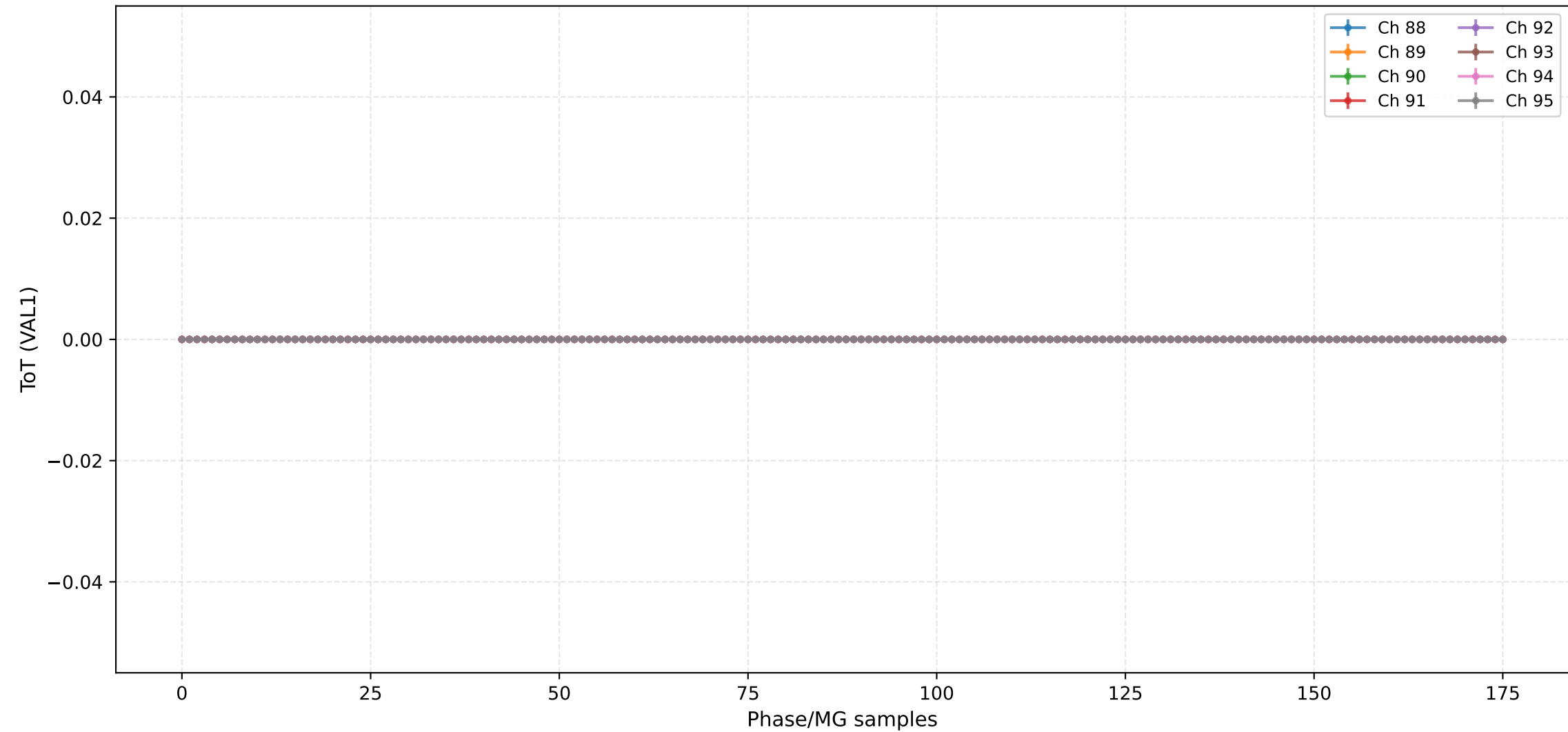
## ToT (VAL1) - Channels 72 to 79



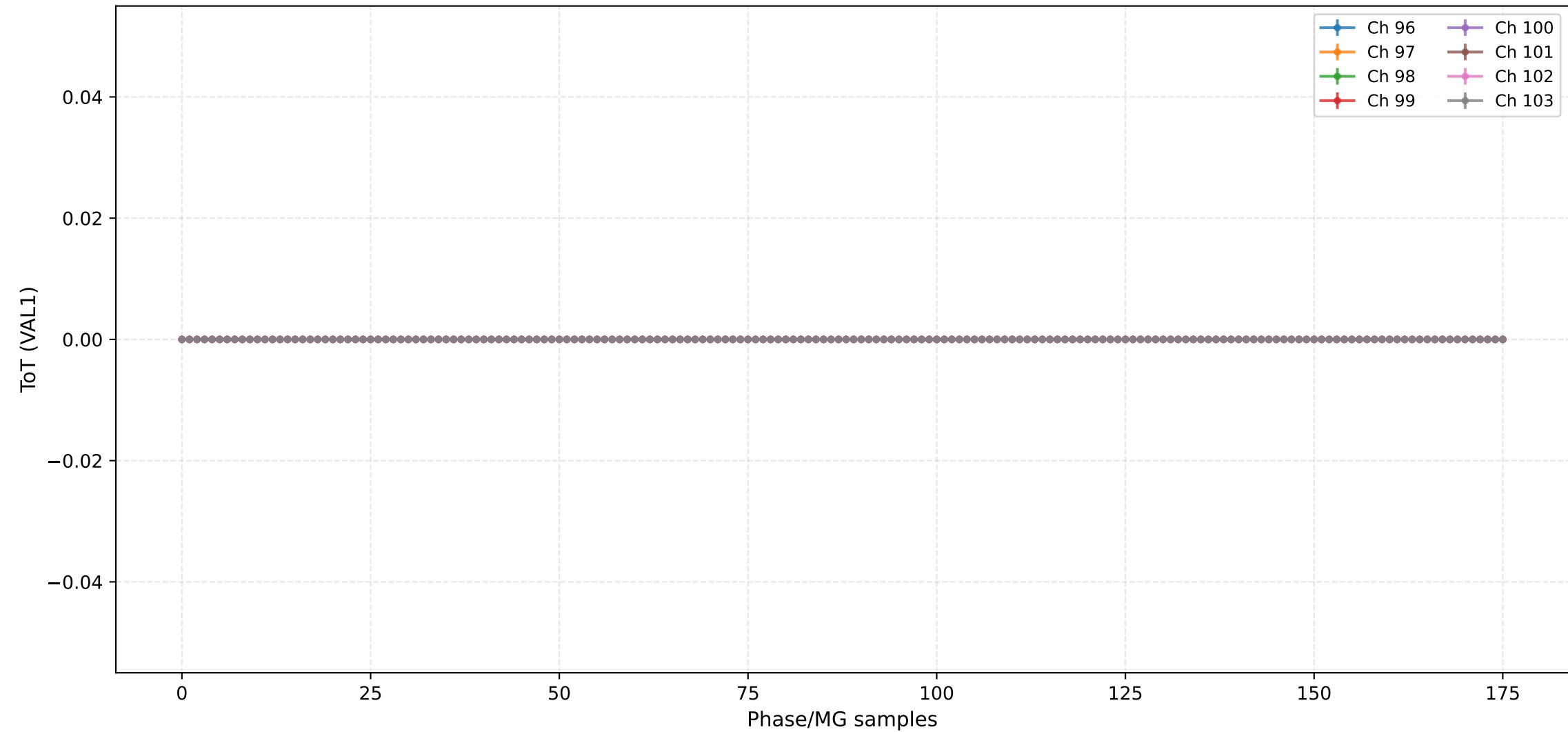
## ToT (VAL1) - Channels 80 to 87



ToT (VAL1) - Channels 88 to 95

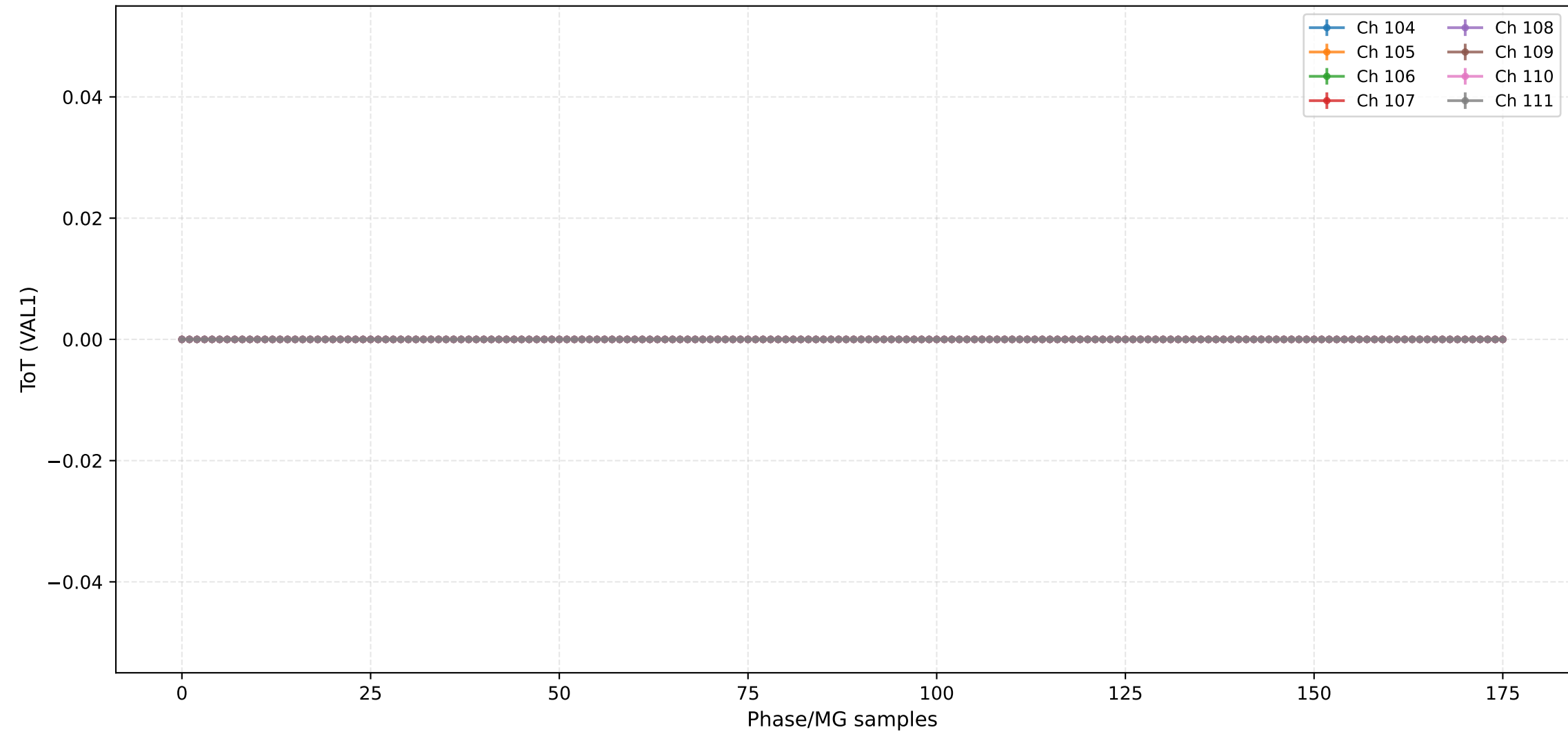


ToT (VAL1) - Channels 96 to 103

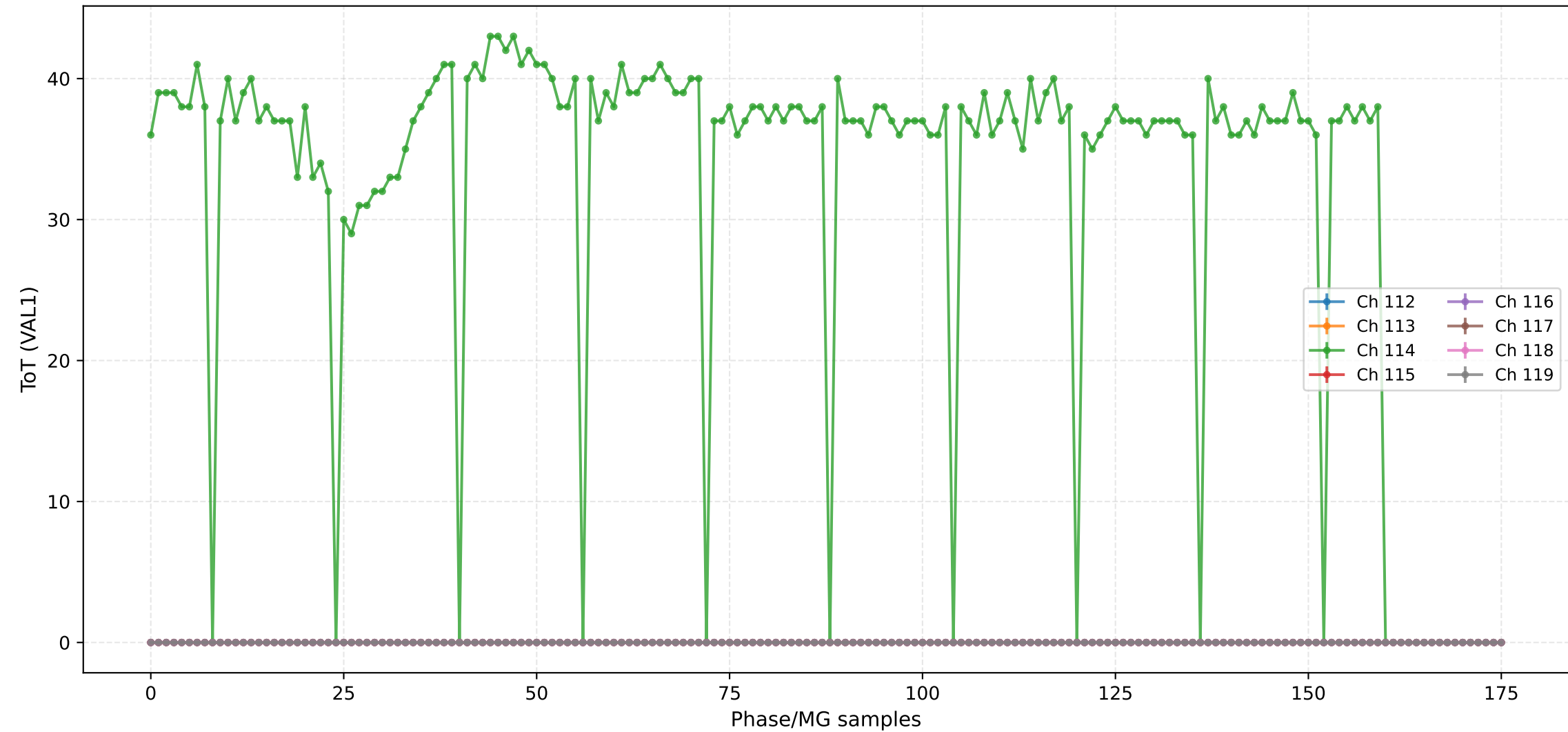




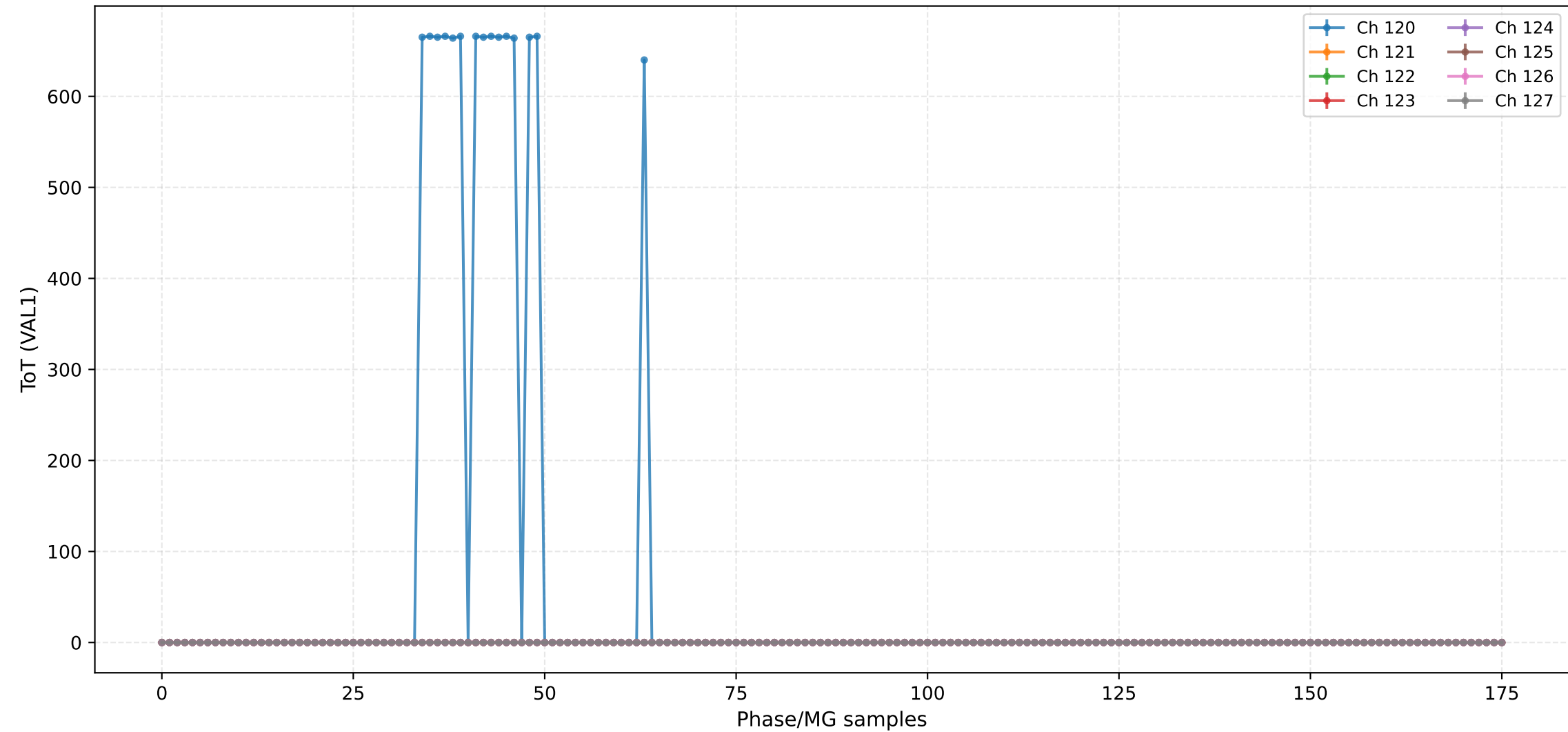
ToT (VAL1) - Channels 104 to 111



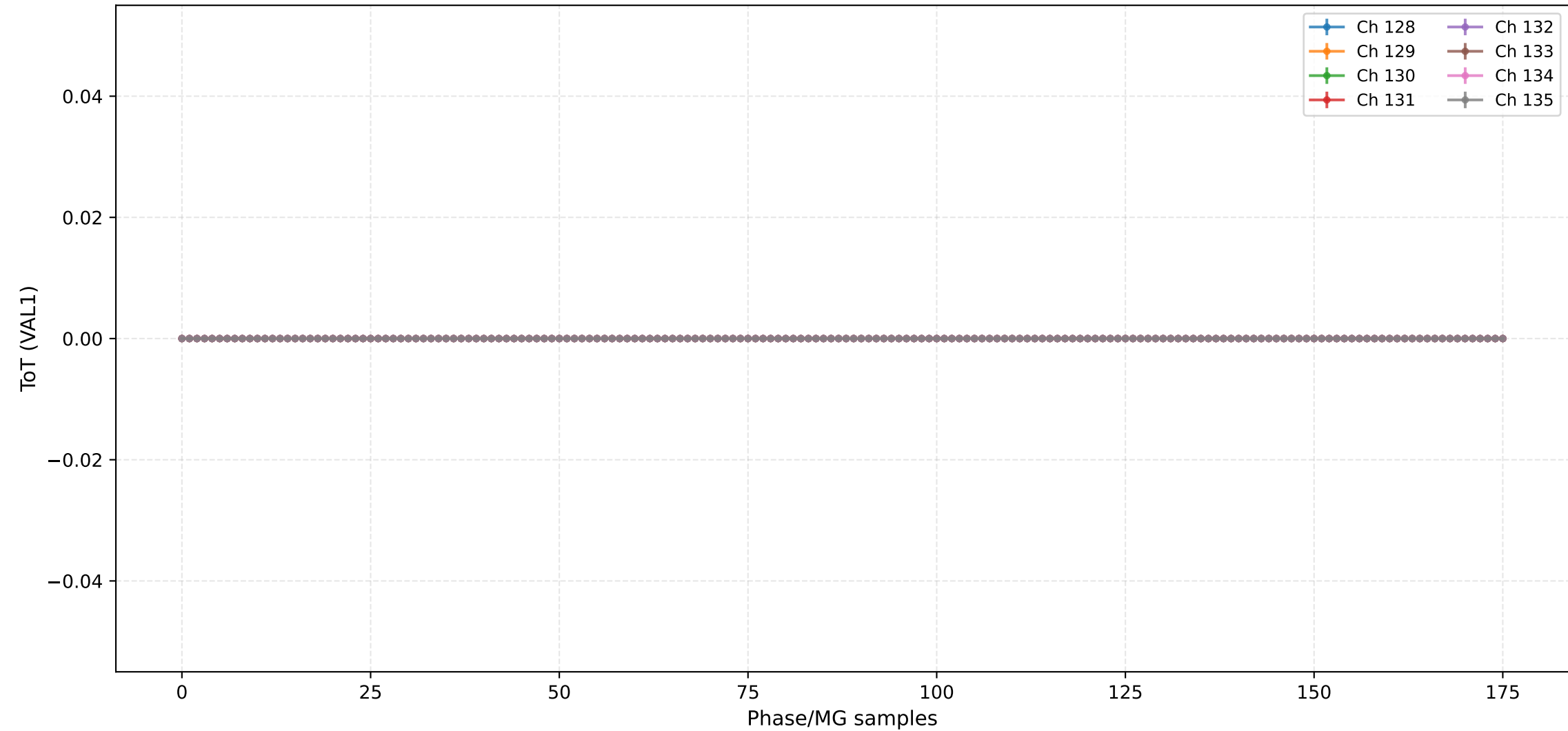
### ToT (VAL1) - Channels 112 to 119



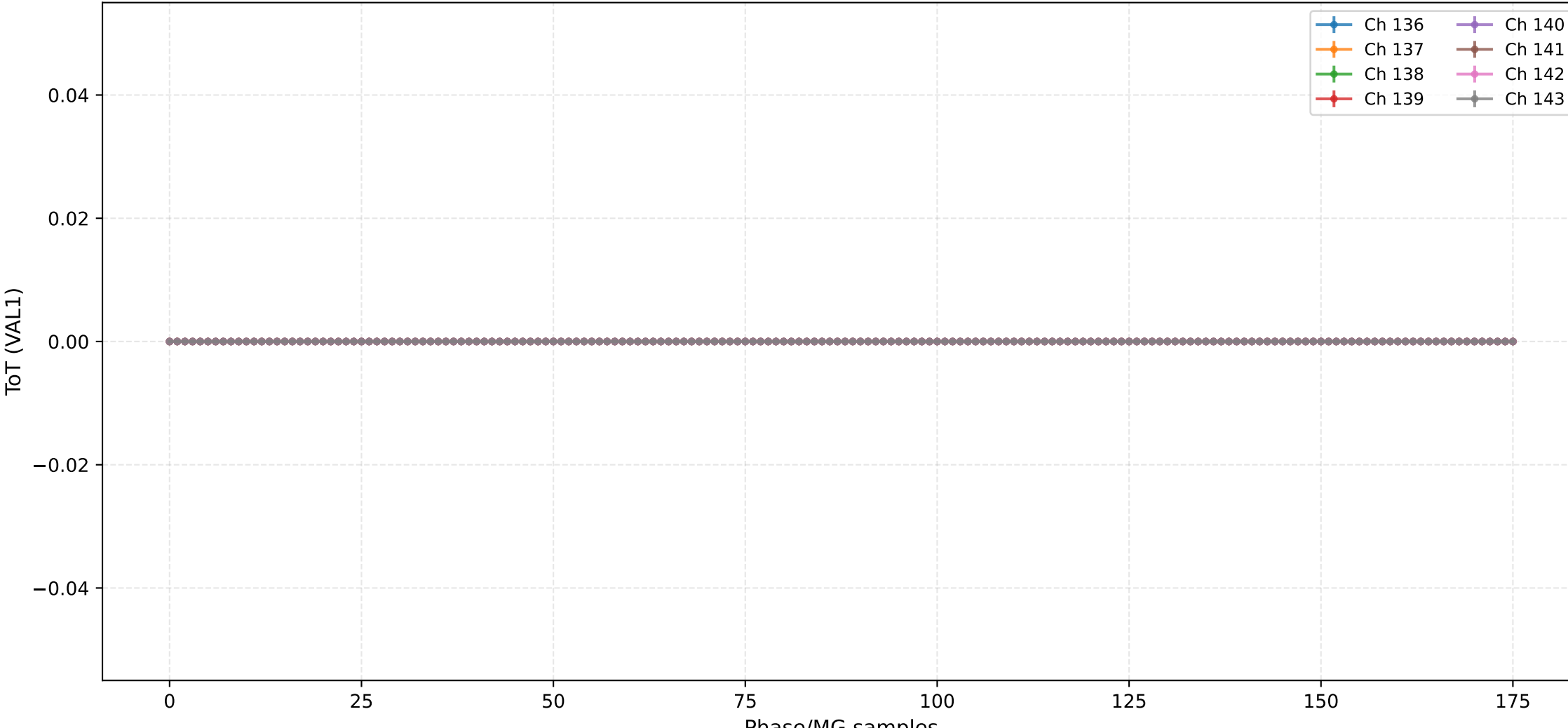
ToT (VAL1) - Channels 120 to 127



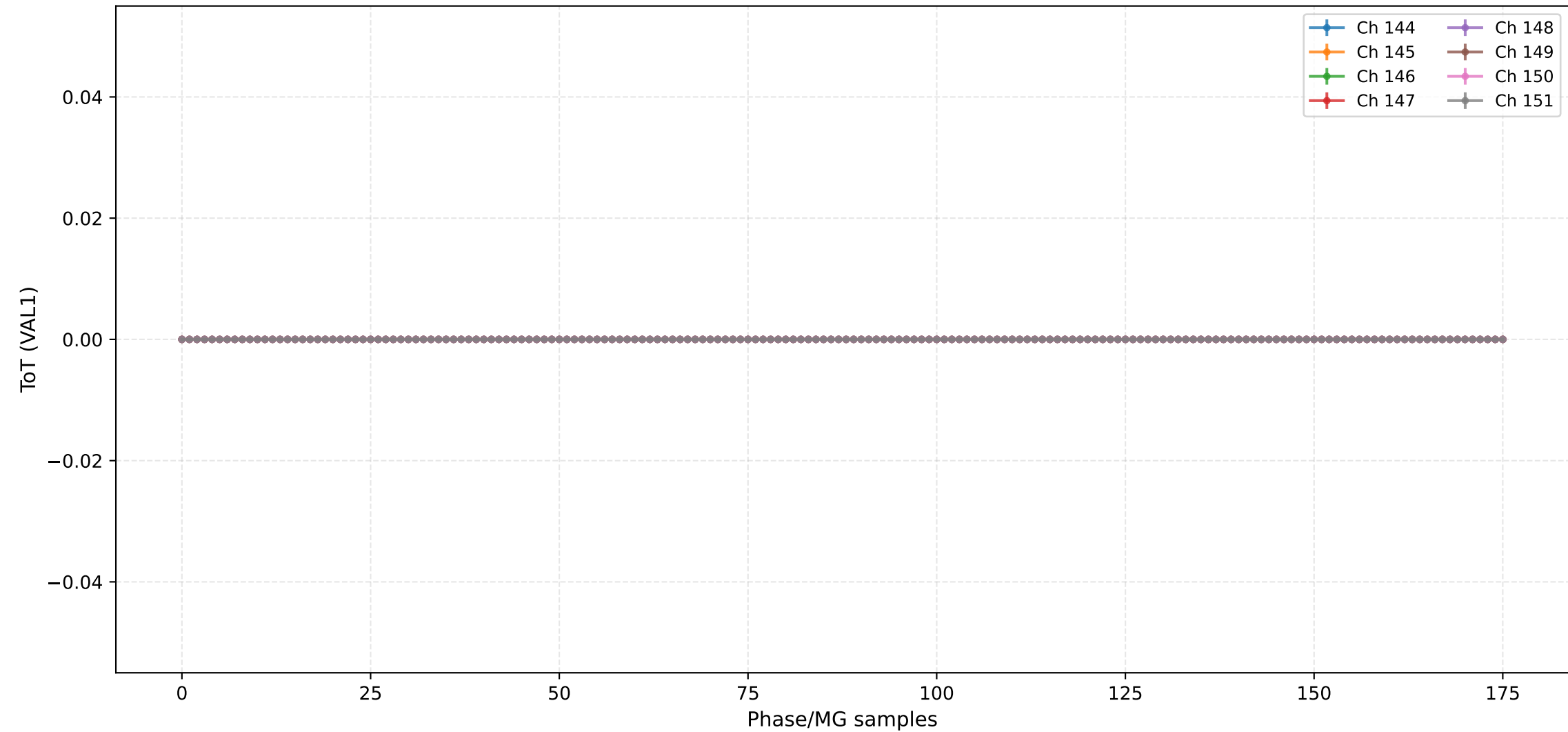
## ToT (VAL1) - Channels 128 to 135



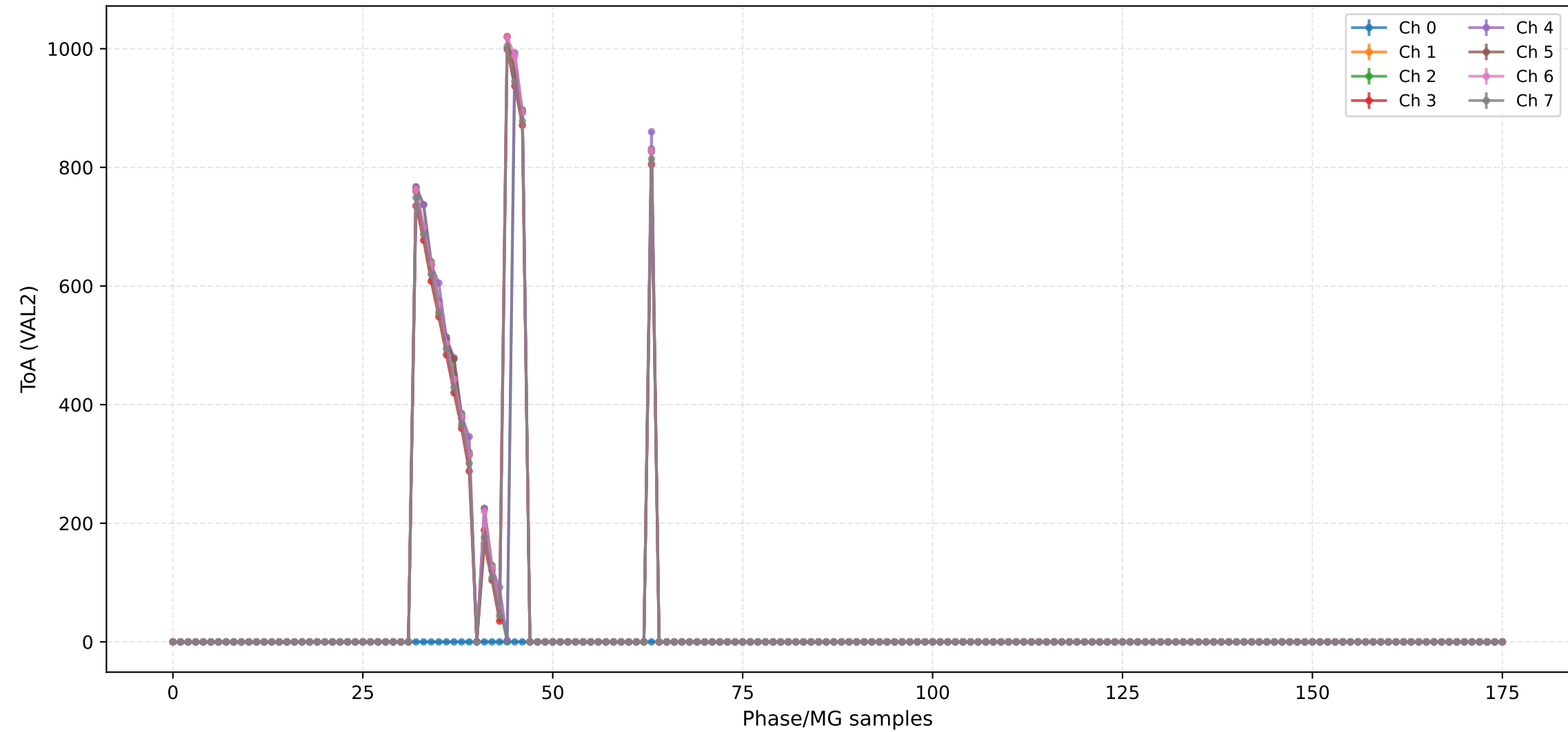
## ToT (VAL1) - Channels 136 to 143



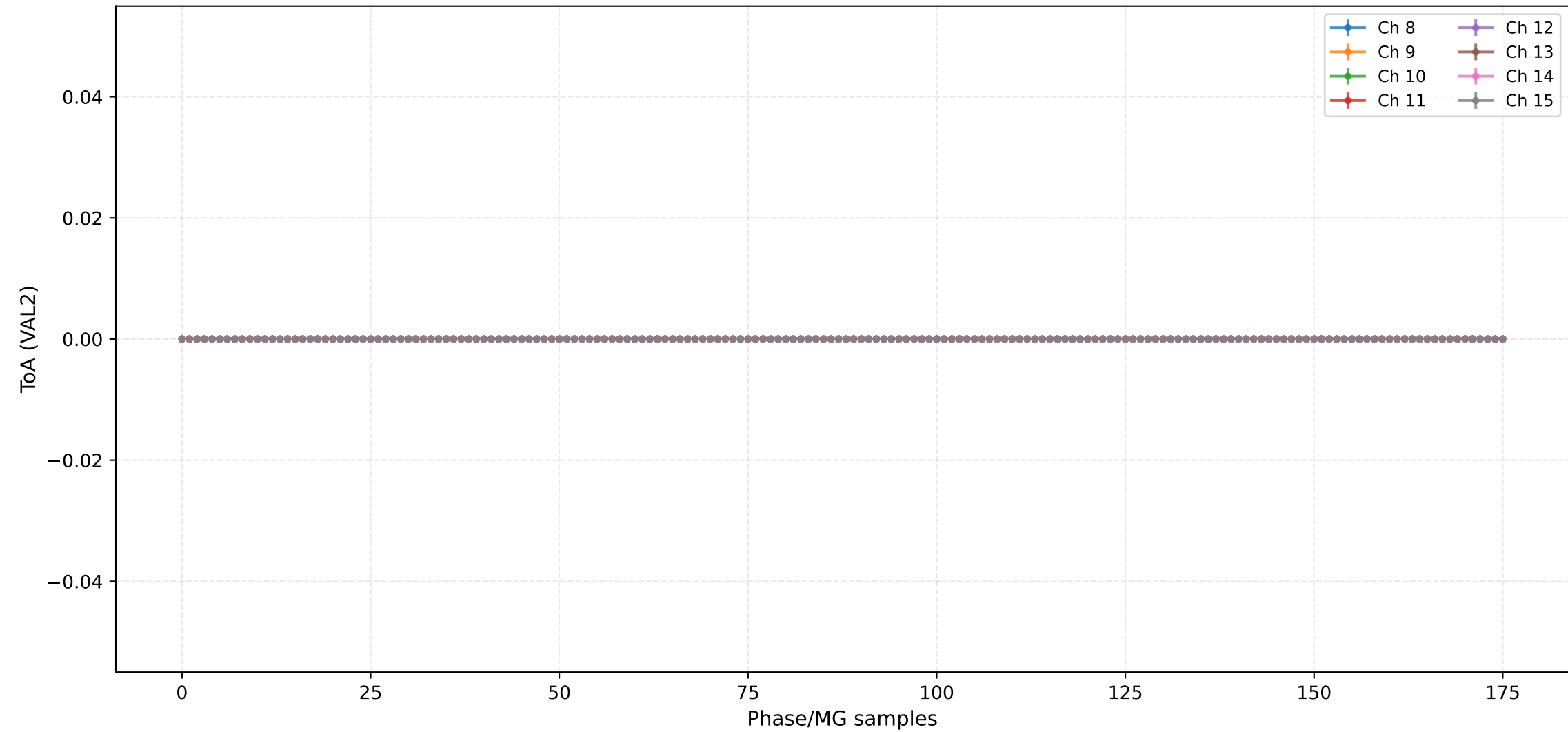
ToT (VAL1) - Channels 144 to 151



ToA (VAL2) - Channels 0 to 7

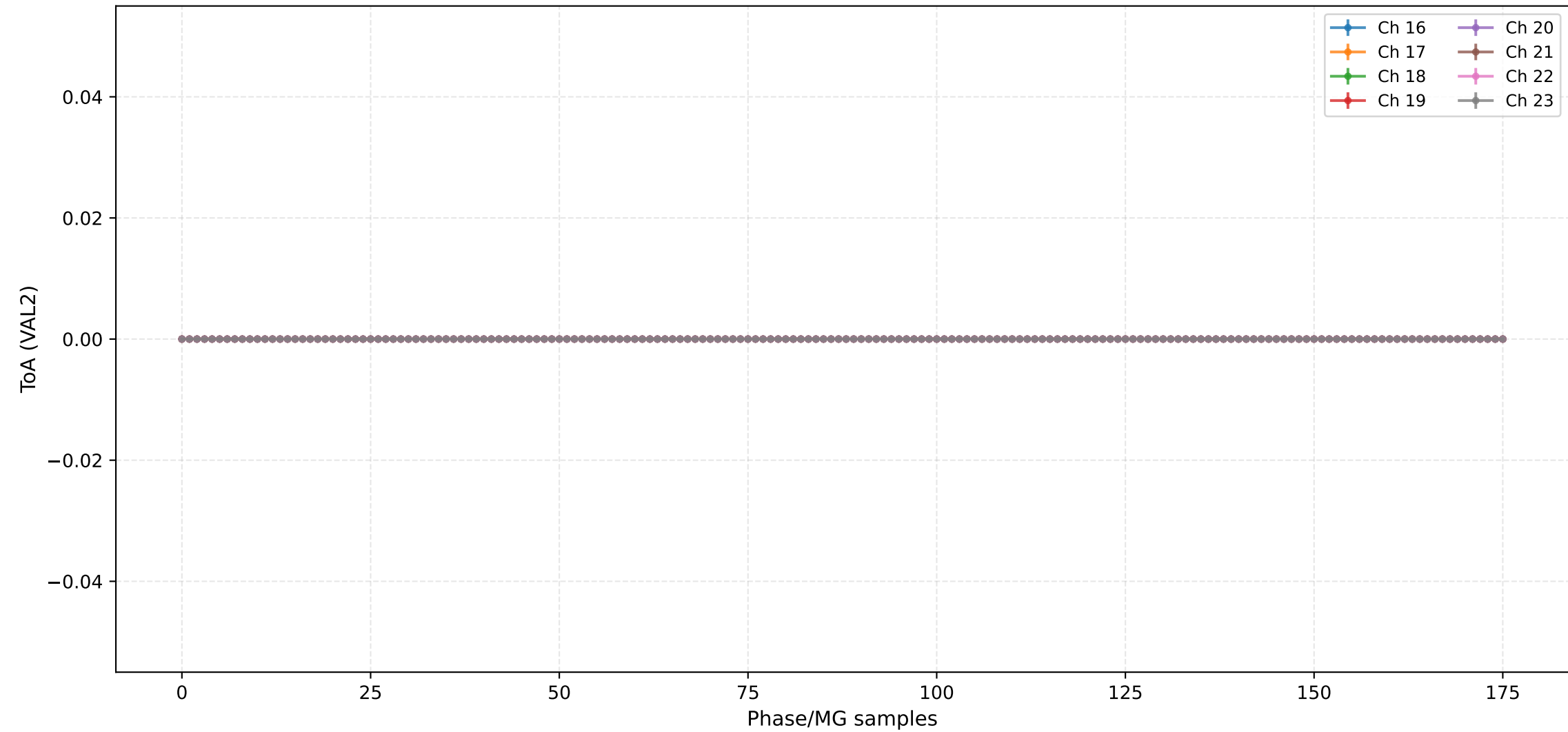


## ToA (VAL2) - Channels 8 to 15

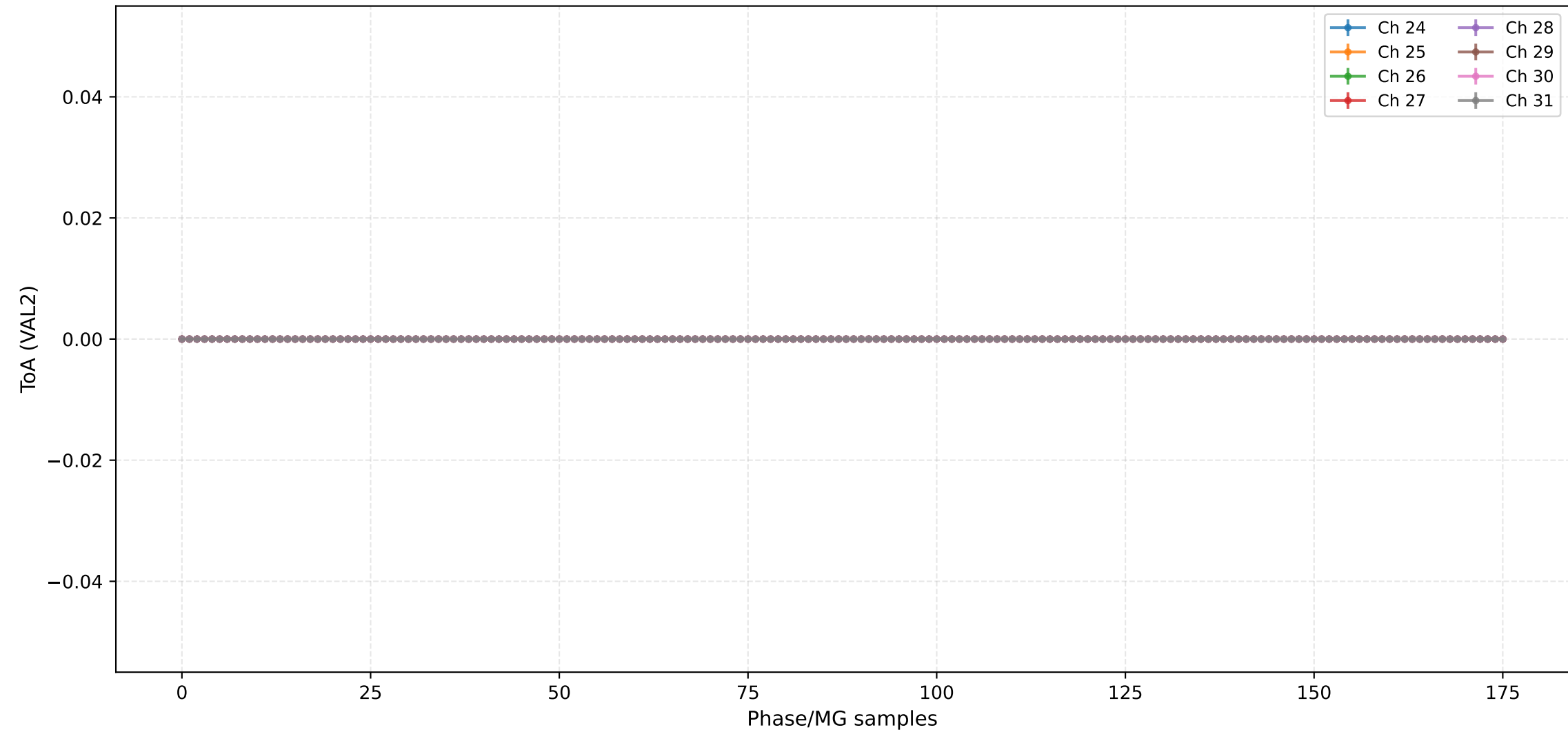




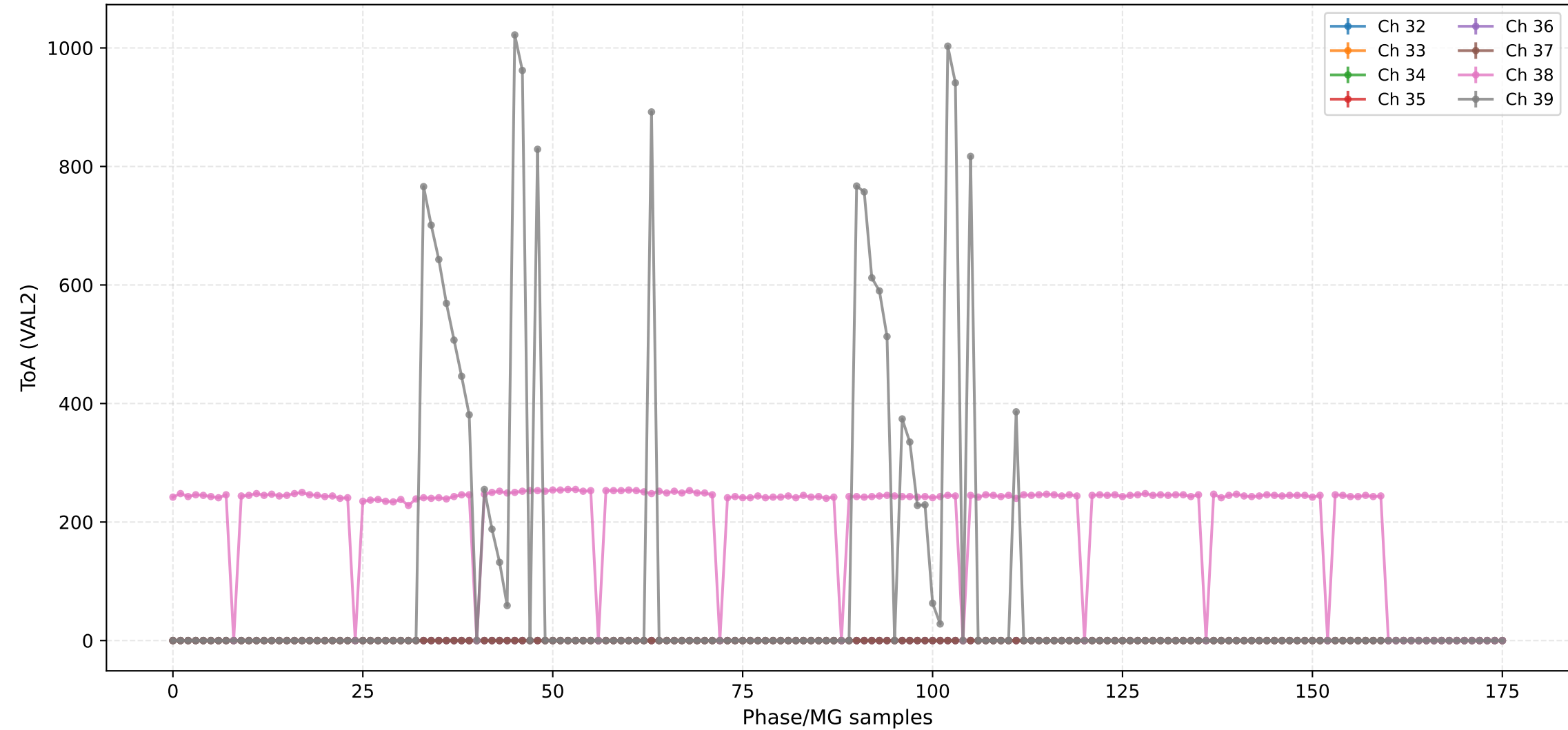
## ToA (VAL2) - Channels 16 to 23



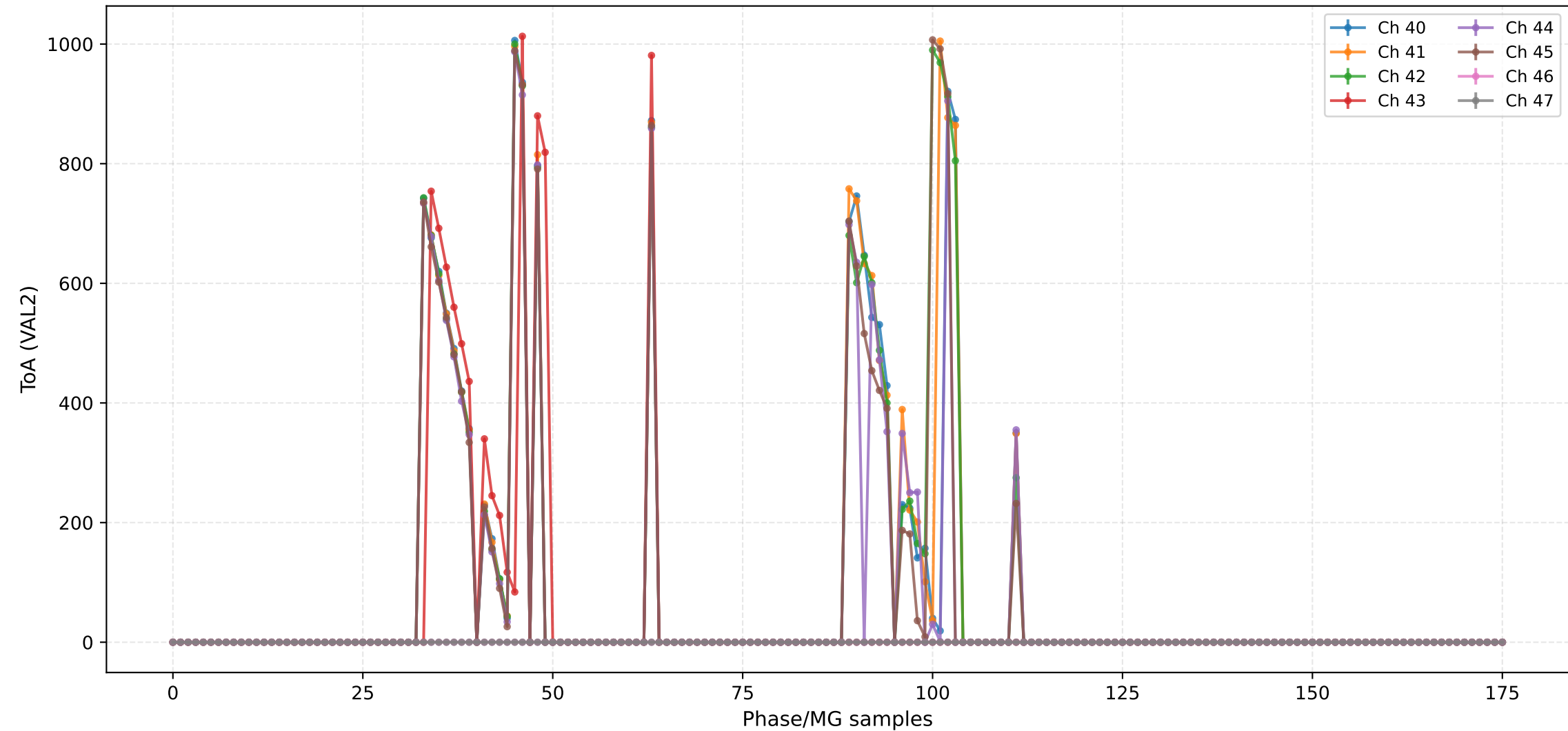
## ToA (VAL2) - Channels 24 to 31



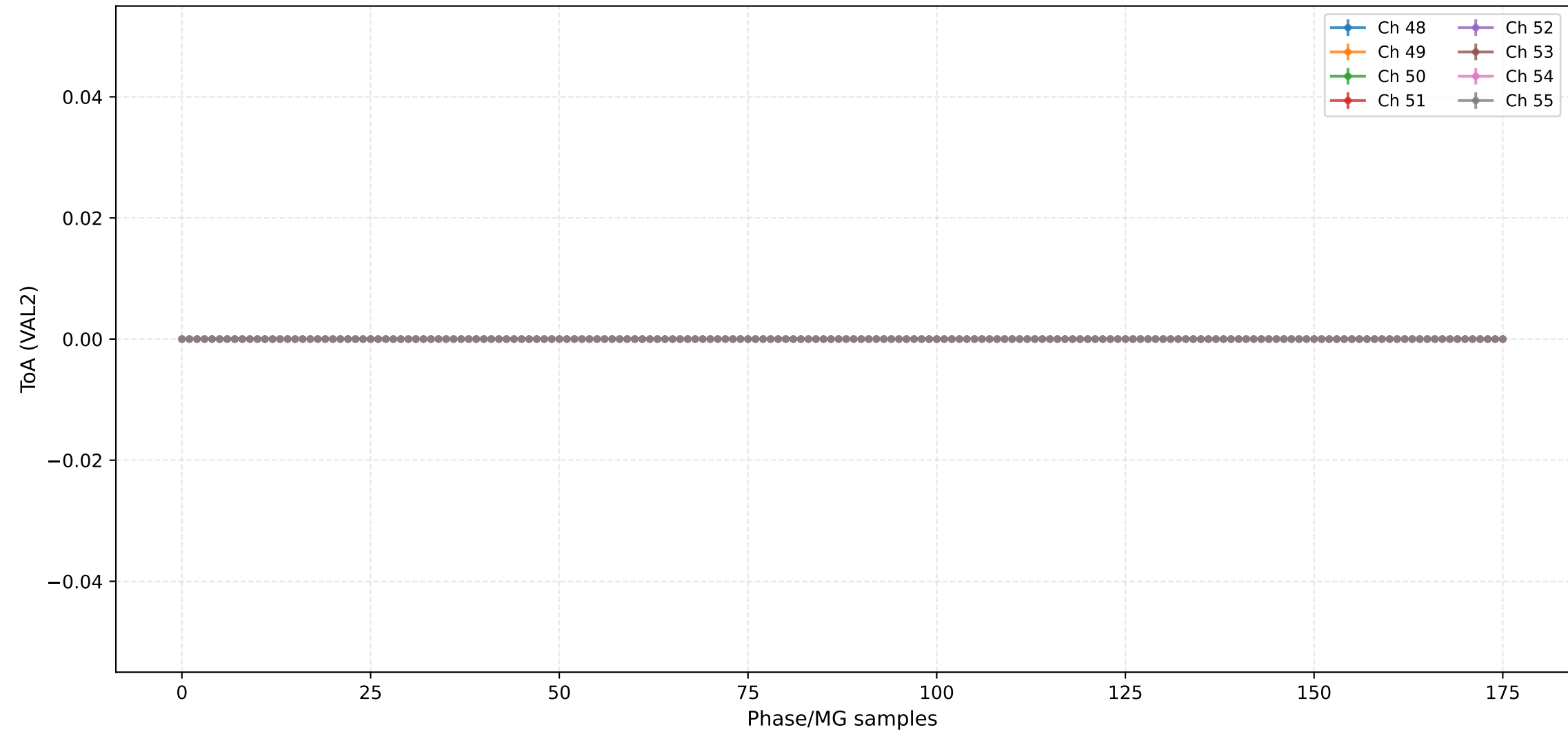
ToA (VAL2) - Channels 32 to 39



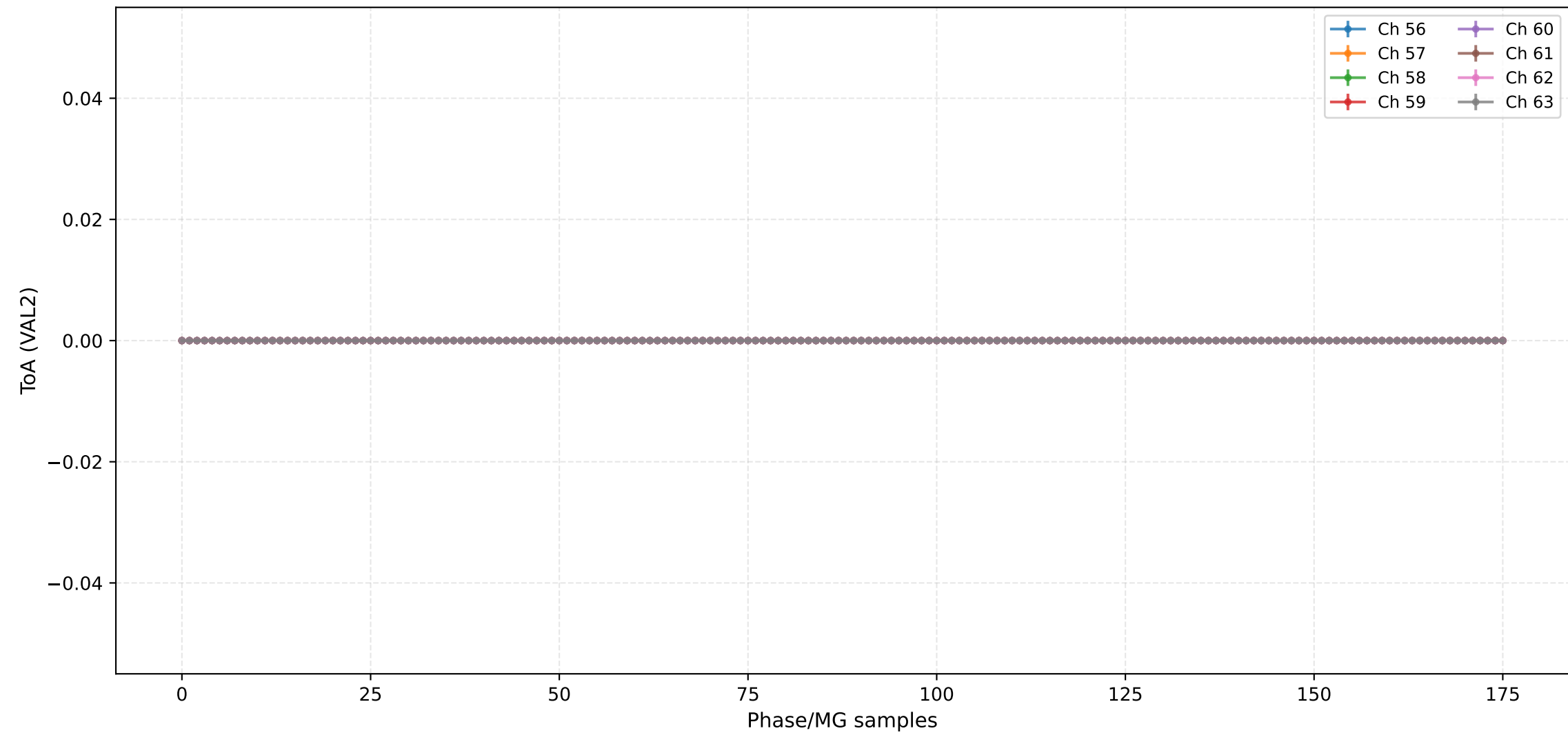
ToA (VAL2) - Channels 40 to 47



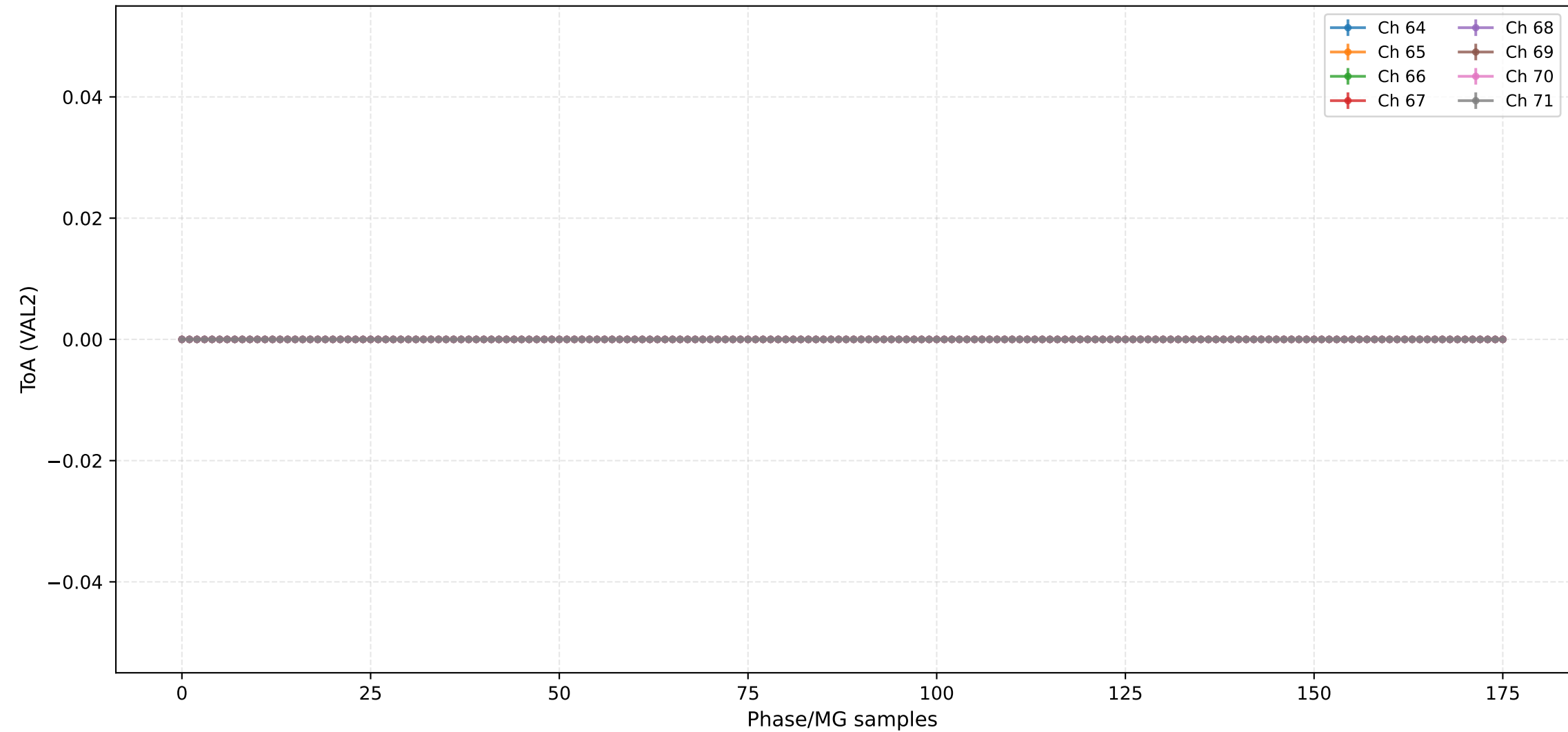
## ToA (VAL2) - Channels 48 to 55



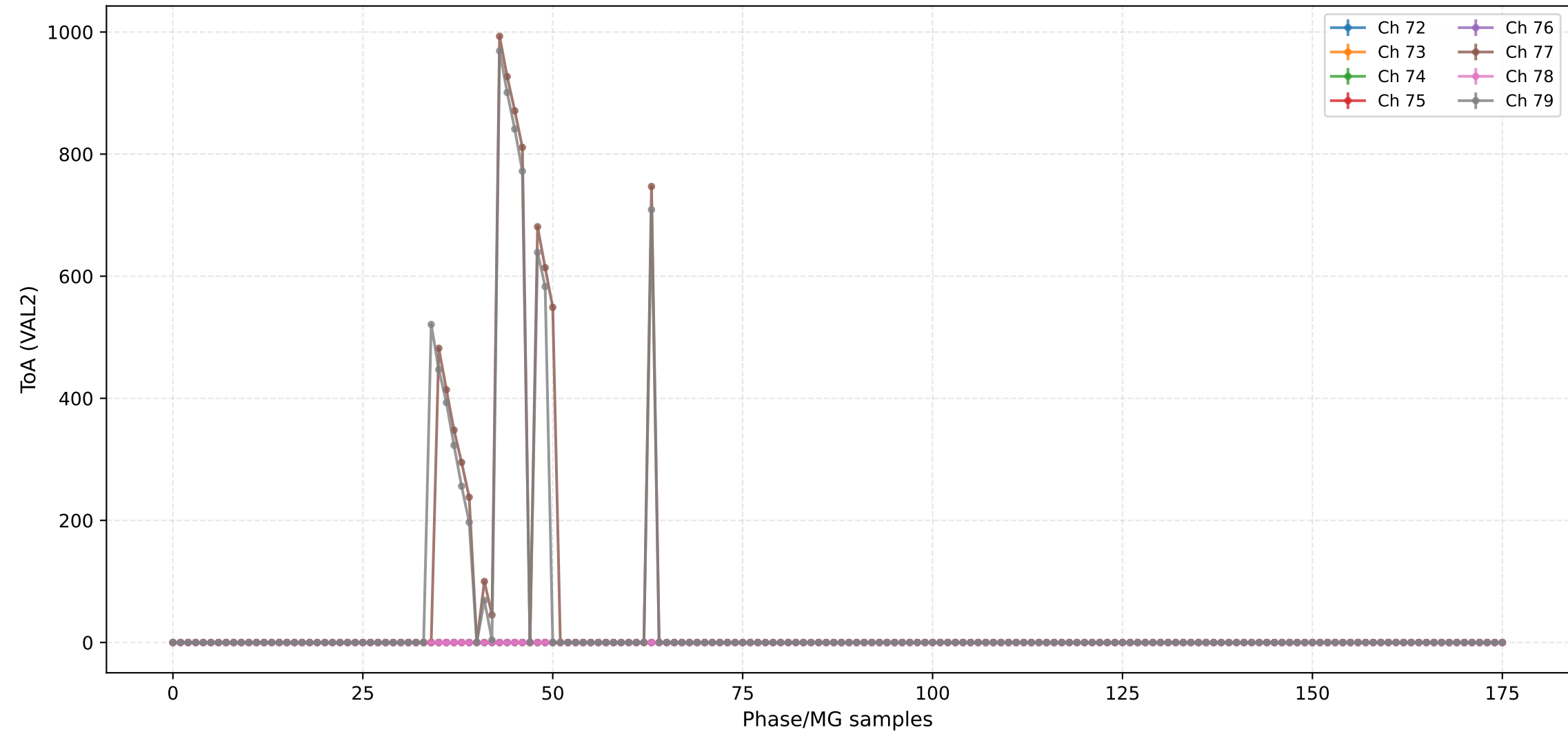
ToA (VAL2) - Channels 56 to 63



## ToA (VAL2) - Channels 64 to 71



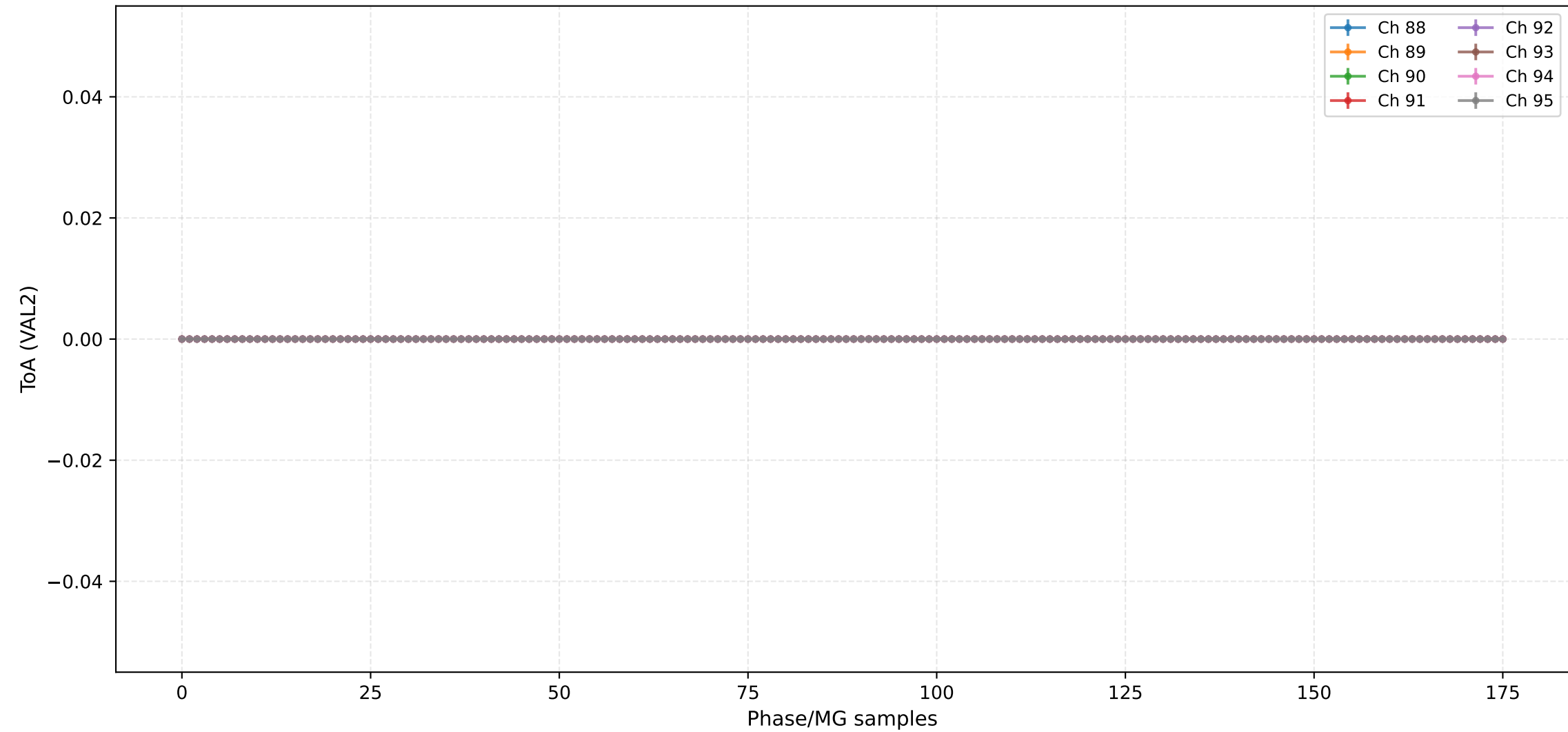
## ToA (VAL2) - Channels 72 to 79



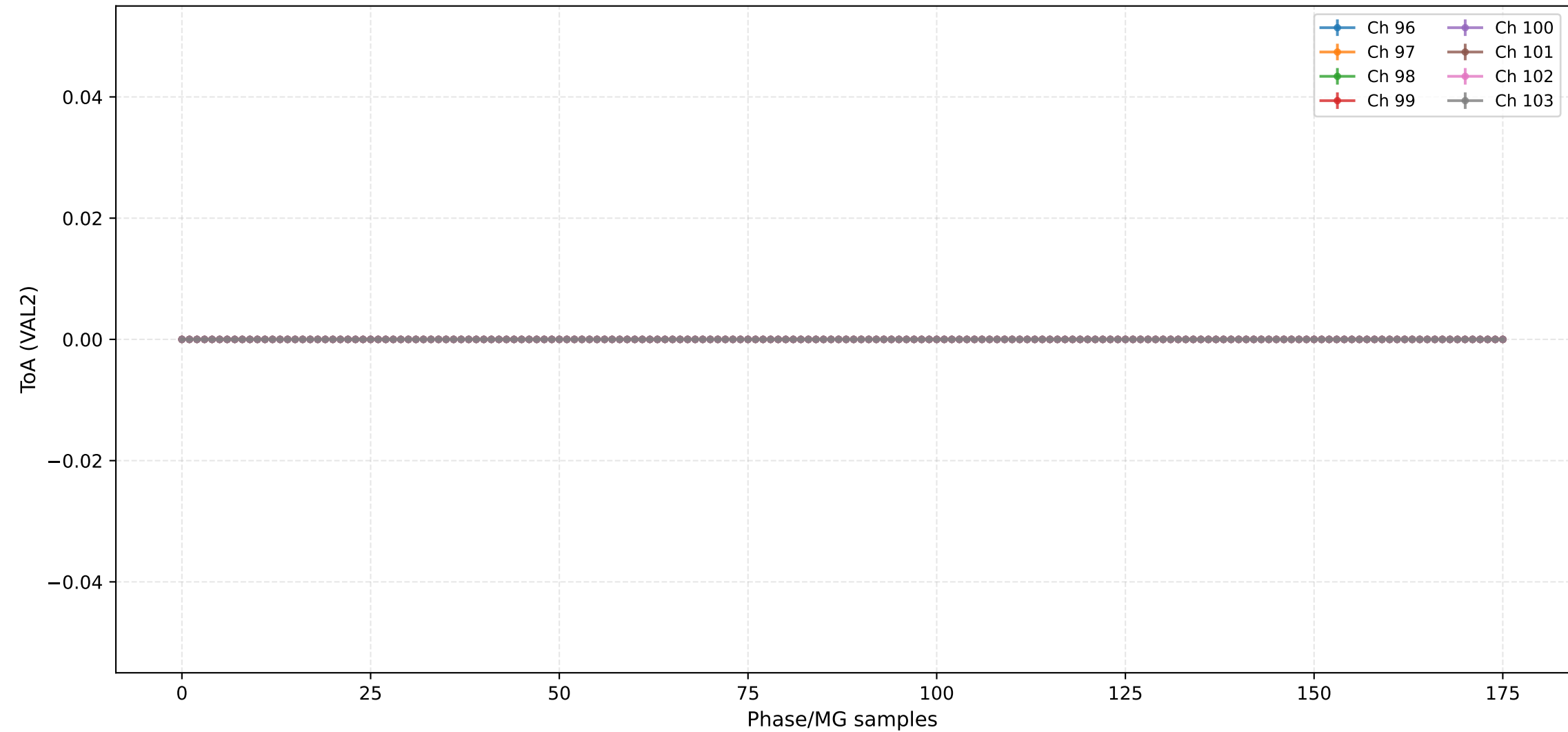




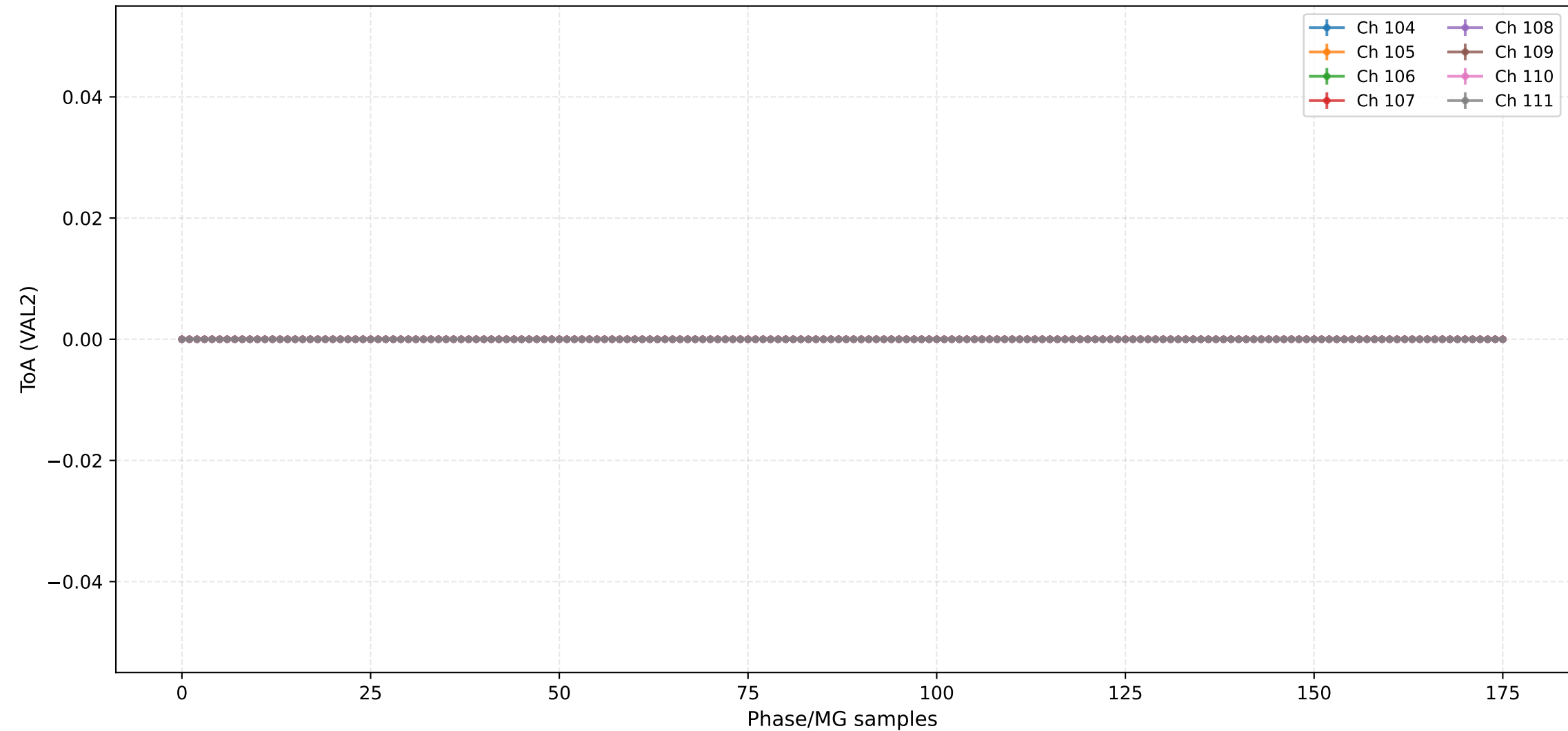
## ToA (VAL2) - Channels 88 to 95



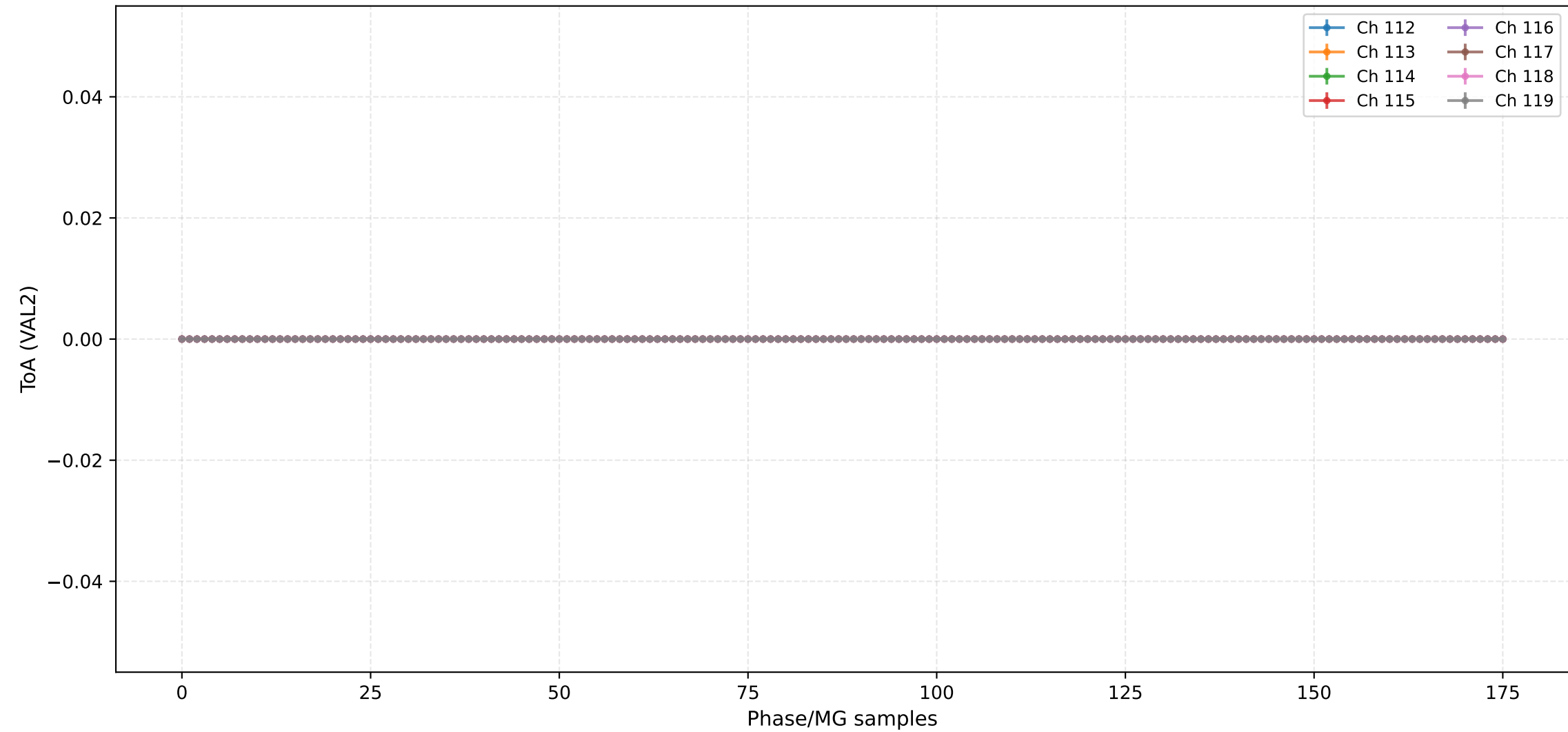
ToA (VAL2) - Channels 96 to 103



ToA (VAL2) - Channels 104 to 111

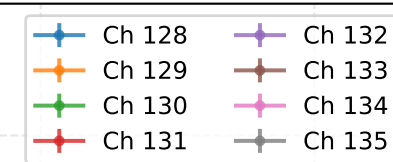


## ToA (VAL2) - Channels 112 to 119



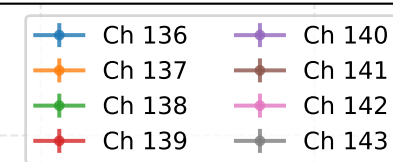


The figure displays a plot of the expectation value of the Pauli matrix  $\sigma_y$  versus time for six channels. The x-axis is labeled 'Time (10<sup>-10</sup> s)' and ranges from 0 to 175. The y-axis is labeled 'Expectation value' and ranges from -0.5 to 0.5. The legend identifies the channels: Ch 128 (blue), Ch 129 (orange), Ch 130 (green), Ch 131 (red), Ch 128 (purple), and Ch 129 (brown). All channels show a constant expectation value of approximately 0.05 across the entire time range.



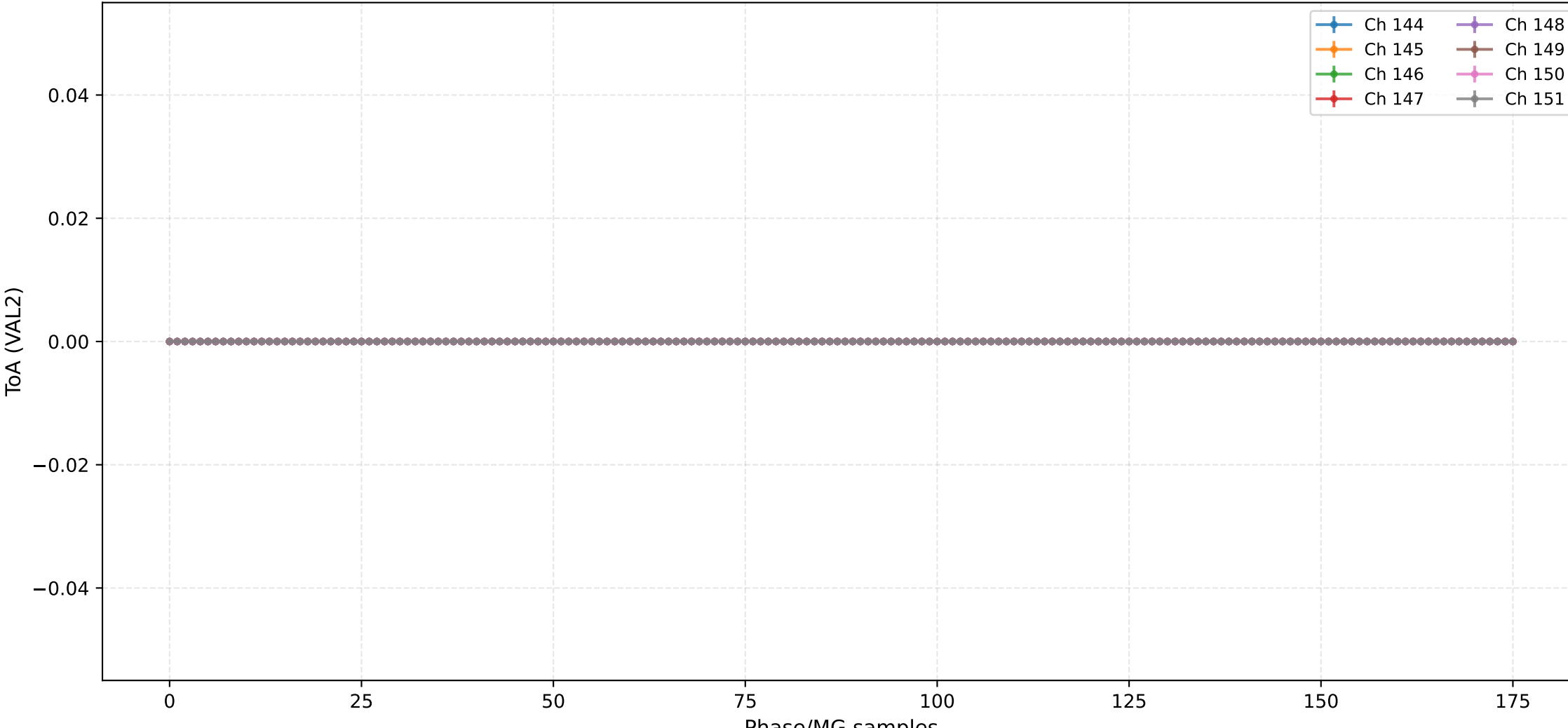
The graph displays the time evolution of the expectation value of the Pauli matrix  $\sigma_y$  for five different channels (Ch 136 to Ch 139). The x-axis represents time in units of  $10^{-12}$  s, ranging from 0 to 150. The y-axis represents the expectation value, ranging from -0.5 to 0.5. All five channels show a constant value of approximately 0.05 throughout the entire time range.

Channel	Expectation Value of $\sigma_y$
Ch 136	~0.05
Ch 137	~0.05
Ch 138	~0.05
Ch 139	~0.05
Ch 140	~0.05





## ToA (VAL2) - Channels 144 to 151



## Injection Scan Results

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Script: 205\_Injection v1.0

Date: 2025-12-13 00:18:25

### Configuration:

- Total ASICs: 2
- Injection DAC: 700
- Machine Gun: 10
- Scan Pack: 2
- Scan Channels: 16
- 2.5V Injection: True
- High Range Injection: False

### Analog Settings:

- RF: 0x-1
- CF: 0x-1
- CC: 0x-1
- CF Comp: 0x-1

### Output Files:

- 205\_Injection\_asic2\_injdac700\_mg10\_pack2\_chn16\_val0.csv
- 205\_Injection\_asic2\_injdac700\_mg10\_pack2\_chn16\_val1.csv
- 205\_Injection\_asic2\_injdac700\_mg10\_pack2\_chn16\_val2.csv